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Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
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Вологда (8172)26-41-59
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Екатеринбург (343)384-55-89

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Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
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Курган (3522)50-90-47
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Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37

Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97

Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
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Технические характеристики на пневмоострова VR10, VR15, VM10, VM15, VS18, VS26 компании **IMI NORGREN**

VM10 series, 2 x 3/2, 5/2 or 5/3 Valve islands



- > Valve slices 2 x 3/2, 5/2 and 5/3 with integral push-in fittings
ø 3, 4, 6 mm
- > Multipole or individually wired for installation flexibility
- > Interchangeable Fieldbus and Industrial Ethernet modules
- > Fieldbus options available – PROFIBUS DP, DeviceNet and CANopen
- > Industrial Ethernet options available – PROFINET IRT and EtherNet/IP
- > Fieldbus and Industrial Ethernet up to 16 stations (32 solenoids)
- > Compact and lightweight
- > High flow from 10 mm valve width
- > To configure and order a Valve Island visit



DeviceNet

EtherNet/IP CANopen

Technical features

Medium:

Compressed air, filtered, lubricated and non-lubricated

Operation:

Spool valve indirectly actuated

Port sizes:

ø 3, 4, 6 mm Push-in fittings
Imperial versions also available

Operating pressure:

-0,9 ... 8 bar depending on pilot supply – see page 2

Flow:

Function	l/min	Cv	Kv
5/2 ports 1 to 2 & 1 to 4	430	0,44	0,36
5/2 ports 2 to 3 & 4 to 5	400	0,41	0,34
3/2 and 5/3	350	0,36	0,29

Insulation protection:

Individually wired: IP40
Multipole, Fieldbus and Industrial Ethernet: IP65

Ambient/Media temperature:

-5 ... +50°C (+23 ... +122°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:

Body, End plates: Engineered PPA co-polymer
Spool: Aluminium
Seals: NBR

Protection classification

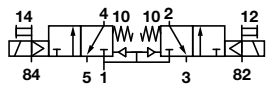
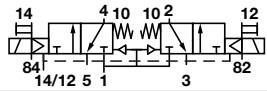
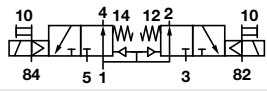
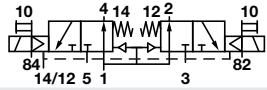
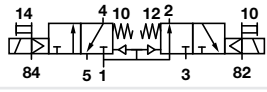
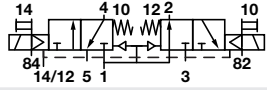
UL/CSA approval

(Industrial Ethernet excluded)

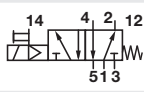
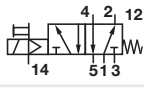
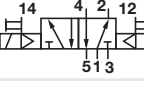
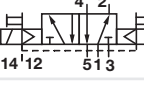
Recognized to UL 429 - 5th edition & CSA 22.2 No.139 – 1982 for Electrically Operated Valves.

Technical data

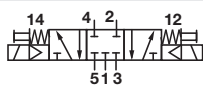
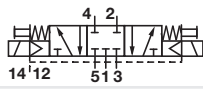
2 x 3/2 Double solenoid actuated valves

Symbol	Function	Actuation	Pilot supply	Manual override	Operating pressure (bar)	Operating pressure (psi)	Pilot pressure (bar)	Pilot pressure (psi)	Weight (kg)	Model
	2x3/2 NC	Solenoid/Spring	Internal	Turn & lock	3 ... 8	43 ... 116	—	—	0,054	VM10*A11AB213B
	2x3/2 NC	Solenoid/Spring	Internal	Push only	3 ... 8	43 ... 116	—	—	0,054	VM10*A11AB313B
	2x3/2 NC	Solenoid/Spring	External	Turn & lock	-0,9 ... 8	-13 ... 116	3 ... 8	43 ... 116	0,054	VM10*A22AB213B
	2x3/2 NC	Solenoid/Spring	External	Push only	-0,9 ... 8	-13 ... 116	3 ... 8	43 ... 116	0,054	VM10*A22AB313B
	2x3/2 NO	Solenoid/Spring	Internal	Turn & lock	3 ... 8	43 ... 116	—	—	0,054	VM10*B11AB213B
	2x3/2 NO	Solenoid/Spring	Internal	Push only	3 ... 8	43 ... 116	—	—	0,054	VM10*B11AB313B
	2x3/2 NO	Solenoid/Spring	External	Turn & lock	-0,9 ... 8	-13 ... 116	3 ... 8	43 ... 116	0,054	VM10*B22AB213B
	2x3/2 NO	Solenoid/Spring	External	Push only	-0,9 ... 8	-13 ... 116	3 ... 8	43 ... 116	0,054	VM10*B22AB313B
	2x3/2 NO/NC	Solenoid/Spring	Internal	Turn & lock	3 ... 8	43 ... 116	—	—	0,054	VM10*C11AB213B
	2x3/2 NO/NC	Solenoid/Spring	Internal	Push only	3 ... 8	43 ... 116	—	—	0,054	VM10*C11AB313B
	2x3/2 NO/NC	Solenoid/Spring	External	Turn & lock	-0,9 ... 8	-13 ... 116	3 ... 8	43 ... 116	0,054	VM10*C22AB213B
	2x3/2 NO/NC	Solenoid/Spring	External	Push only	-0,9 ... 8	-13 ... 116	3 ... 8	43 ... 116	0,054	VM10*C22AB313B

5/2 Single and double solenoid actuated valves

Symbol	Function	Actuation	Pilot supply	Manual override	Operating pressure (bar)	Operating pressure (psi)	Pilot pressure (bar)	Pilot pressure (psi)	Weight (kg)	Model
	5/2	Solenoid/Spring	Internal	Turn & lock	3 ... 8	43 ... 116	—	—	0,044	VM10*517AB213B
	5/2	Solenoid/Spring	Internal	Push only	3 ... 8	43 ... 116	—	—	0,044	VM10*517AB313B
	5/2	Solenoid/Spring	External	Turn & lock	-0,9 ... 8	-13 ... 116	3 ... 8	43 ... 116	0,044	VM10*527AB213B
	5/2	Solenoid/Spring	External	Push only	-0,9 ... 8	-13 ... 116	3 ... 8	43 ... 116	0,044	VM10*527AB313B
	5/2	Solenoid/Solenoid	Internal	Turn & lock	2 ... 8	29 ... 116	—	—	0,054	VM10*511AB213B
	5/2	Solenoid/Solenoid	Internal	Push only	2 ... 8	29 ... 116	—	—	0,054	VM10*511AB313B
	5/2	Solenoid/Solenoid	External	Turn & lock	-0,9 ... 8	-13 ... 116	2 ... 8	29 ... 116	0,054	VM10*522AB213B
	5/2	Solenoid/Solenoid	External	Push only	-0,9 ... 8	-13 ... 116	2 ... 8	29 ... 116	0,054	VM10*522AB313B

5/3 Double solenoid actuated valves

Symbol	Function	Actuation	Pilot supply	Manual override	Operating pressure (bar)	Operating pressure (psi)	Pilot pressure (bar)	Pilot pressure (psi)	Weight (kg)	Model
	5/3 APB	Solenoid/Solenoid	Internal	Turn & lock	3 ... 8	43 ... 116	—	—	0,055	VM10*611AB213B
	5/3 APB	Solenoid/Solenoid	Internal	Push only	3 ... 8	43 ... 116	—	—	0,055	VM10*611AB313B
	5/3 APB	Solenoid/Solenoid	External	Turn & lock	-0,9 ... 8	-13 ... 116	3 ... 8	43 ... 116	0,055	VM10*622AB213B
	5/3 APB	Solenoid/Solenoid	External	Push only	-0,9 ... 8	-13 ... 116	3 ... 8	43 ... 116	0,055	VM10*622AB313B

* For selection of port sizes please see page 3

Note: For 5/3 COE please use 2 x 3/2 NC. For 5/3 COP please use 2 x 3/2 NO

APB = All Ports Blocked COE = Centre Open Exhaust COP = Centre Open Pressure NC = Normally Closed NO = Normally Open

Electrical details

Voltage	24 V d.c. 0,6 W*
Surge suppression	Flywheel diode
Indication	Yellow LED

* 12 V d.c. also available.

Please consult our Technical Service.

Solenoids

Voltage tolerance	± 10%
Rating	100% ED

Option selector - valve slices

Tube size	Substitute
3 mm PIF	3
4 mm PIF	4
6 mm PIF	6
Valve function	Substitute
5/2	5
5/3 APB	6
2 x 3/2 NC and 5/3 COE	A
2 x 3/2 NO and 5/3 COP	B
2 x 3/2 NC and NO	C

Note:

For 5/3 COE and COP use

2 x 3/2 APB = All Ports Blocked

COE = Centre Open Exhaust

COP = Centre Open Pressure

NC = Normally Closed

NO = Normally Open

For valve island specification see

page 14 and 15

*1) Can only be used with 5/2 valve

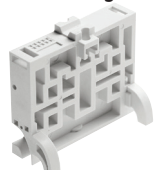
VM10★★★★AB★13B

Manual override	Substitute
Turn to lock	2
Push only	3
Actuation/pilot supply	Substitute
Solenoid/solenoid internal pilot	11
Solenoid/spring internal pilot *1)	17
Solenoid/solenoid external pilot	22
Solenoid/spring external pilot *1)	27

To order a complete valve island
please use the configurator at;

Accessories

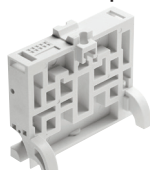
Valve blanking station



Page 6

VM106517AQ0300

Pressure zone plate



Page 6

VM106517AQ0301 (Port 1 blanked)

VM106517AQ0302 (Ports 3 & 5 blanked)

VM106517AQ0303 (Ports 1, 3 & 5 blanked)

DIN Rail fixing kit



V11900-C01, 8D

DIN rail



V10009-C00 (1 m)

Label cover kit



V12016-K36 (4 Station)

V12016-K39 (10 Station)

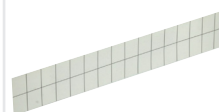
V12016-K37 (6 Station)

V12016-K40 (12 Station)

V12016-K38 (8 Station)

V12016-K41 (16 Station)

Labels



V12033-L02 (write and seal label)

V12034-L02 (paper label)

Pressure switch for pilot ports 12 and 14



Page 16

VM106517AQ0804 (4 mm)

VM106517AQ0806 (6 mm)

Silencer



Page 16

T45P0006 (6 mm)

T45P0008 (8 mm)

T45P0010 (10 mm)

T45P0012 (12 mm)

Plug



Page 16

C00040600 (6 mm)

C00040800 (8 mm)

C00041000 (10 mm)

C00041200 (12 mm)

Manual override kit Push only



V11574-K30

Rotate by hand, lockable



V11574-K31

D Sub-connector 25 pin, IP65



Page 14

V11569-E01 (1 m)

V11569-E03 (3 m)

V11569-E05 (5 m)

D Sub-connector 44 pin, IP65



Page 14

V11570-E01 (1 m)

V11570-E03 (3 m)

V11570-E05 (5 m)

D Sub-connector 25 pin 90°, IP65



Page 15

V12086-E01 (1 m)

V12086-E03 (3 m)

V12086-E05 (5 m)

D Sub-connector 44 pin 90°, IP65



Page 15

V12088-E01 (1 m)

V12088-E03 (3 m)

V12088-E05 (5 m)

2 Pin connector IP40



V11556-E10 (1 m)

V11556-E03 (0,3 m)

Fieldbus accessories

	Description	Connection	Cable length	Protection class	Short code*	Model
	Fielbus power connector DeviceNet (4 pin, female) CANopen (4 pin, female) PROFIBUS DP (4 pin, female)	M12	Wireable	IP65	R1	V11588-E01
	DeviceNet (5 pin, female) CANopen (5 pin, female)	M12	Wireable	IP65	R2	V11589-E01
	PROFIBUS DP, reverse keyway (5 pin, female)	M12	Wireable	IP65	R3	V11590-E01
	PROFIBUS DP, reverse keyway (5 pin male)	M12	Wireable	IP65	R4	V11591-E01
	PROFIBUS DP connector (9 pin, male with terminating resistor)	D-Sub	Wireable	IP40	R0	V11654-E01
	PROFIBUS DP terminating resistor	M12	-	IP65	R6	V11592-E01

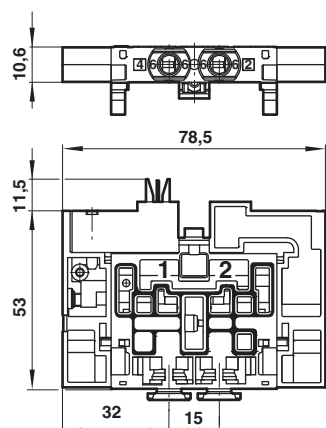
* Short code – used in the Online Configurator

Dimensions

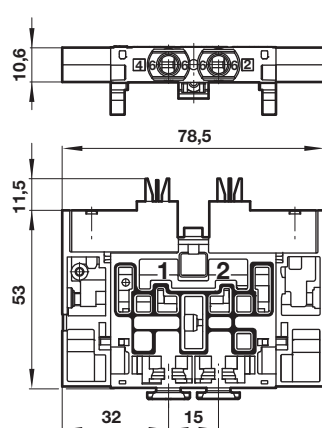
Dimensions in mm
Projection/First angle



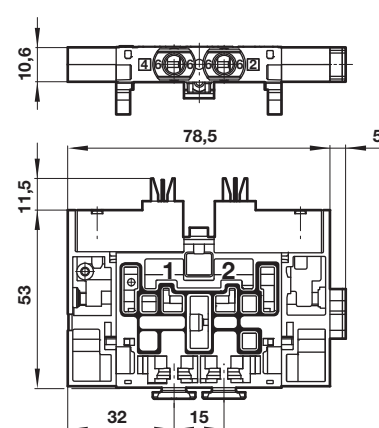
Single solenoid



Double solenoid



5/3 APB, double solenoid



5/2 Single and double solenoid actuated valves

Model	Short code *	Weight (kg)
VM10*517AB213B	NG*T	0,044
VM10*517AB313B	NG*U	0,044
VM10*527AB213B	NH*T	0,044
VM10*527AB313B	NH*U	0,044
VM10*511AB213B	NJ*T	0,054
VM10*511AB313B	NJ*U	0,054
VM10*522AB213B	NK*T	0,054
VM10*522AB313B	NK*U	0,054

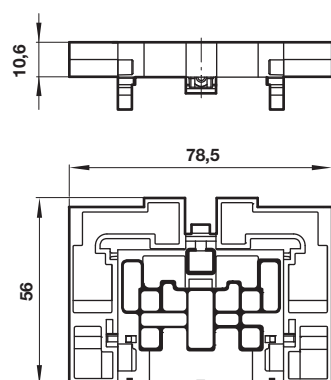
2 x 3/2 Double solenoid actuated valves

Model	Short code *	Weight (kg)
VM10*A11AB213B	NA*T	0,054
VM10*A11AB313B	NA*U	0,054
VM10*A22AB213B	ND*T	0,054
VM10*A22AB313B	ND*U	0,054
VM10*B11AB213B	NB*T	0,054
VM10*B11AB313B	NB*U	0,054
VM10*B22AB213B	NE*T	0,054
VM10*B22AB313B	NE*U	0,054
VM10*C11AB213B	NC*T	0,054
VM10*C11AB313B	NC*U	0,054
VM10*C22AB213B	NF*T	0,054
VM10*C22AB313B	NF*U	0,054

5/3 Double solenoid actuated valves

Model	Short code *	Weight (kg)
VM10*611AB213B	NL*T	0,055
VM10*611AB313B	NL*U	0,055
VM107611AB213B	NLZT	0,055
VM107611AB313B	NLZU	0,055
VM10*622AB213B	NM*T	0,055
VM10*622AB313B	NM*U	0,055
VM107622AB213B	NMZT	0,055
VM107622AB313B	NMZU	0,055

Blanking and pressure zone plates



Blanking and pressure zone plates		Short code *	Weight (kg)
VM106517AQ0300	Blanking plate ports open	B000	0,028
VM106517AQ0301	Pressure zone plate (port 1 blanked)	B100	0,028
VM106517AQ0302	Pressure zone plate (ports 3 & 5 blanked)	B300	0,028
VM106517AQ0303	Pressure zone plate (ports 1, 3 & 5 blanked)	B500	0,028

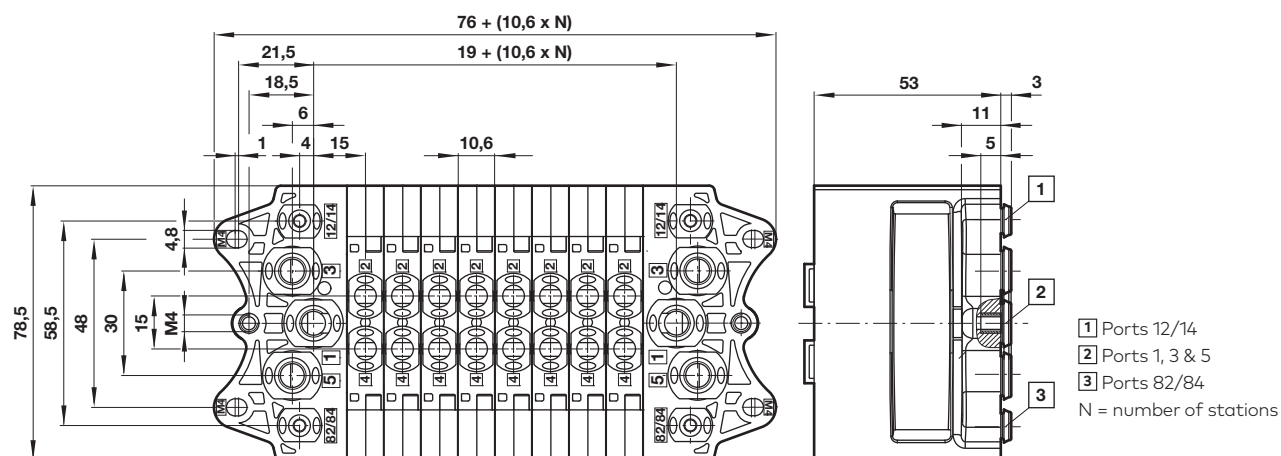
* Short code - used in Online Configurator

Note:

When using a pressure zone plate blanking port 1, it is not possible to use all internal pilot valves on both sides of the zone plate, at least one external pilot valve needs to be used. For further information please contact our technical service.

Valve Island dimensions and port connections

Dimensions in mm
Projection/First angle

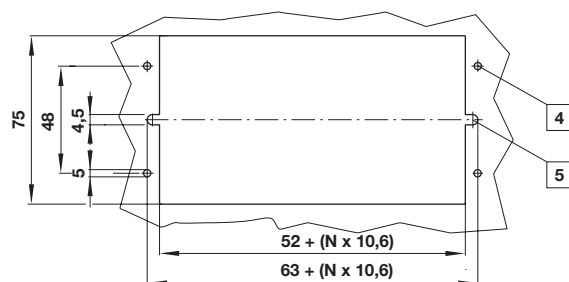


Description	Ports 1, 3 & 5 Tube outside ø	Ports 12/14 & 82/84 Tube outside ø	Ports 2 & 4 Tube outside ø	Short code *1)	Weight (kg)	Model
End plate kit - feed both ends	10	6	6	F100	0,170	VM106517AQ010Y
End plate kit - feed both ends	8	4	4	F800	0,170	VM106517AQ0108
End plate kit - feed left, right blocked	10	6	6	L100	0,170	VM106517AQ011Y
End plate kit - feed left, right blocked	8	4	4	L800	0,170	VM106517AQ0118
End plate kit - feed right, left blocked	10	6	6	R100	0,170	VM106517AQ012Y
End plate kit - feed right, left blocked	8	4	4	R800	0,170	VM106517AQ0128

Available valve port sizes – ø 3 mm, 4 mm and 6 mm

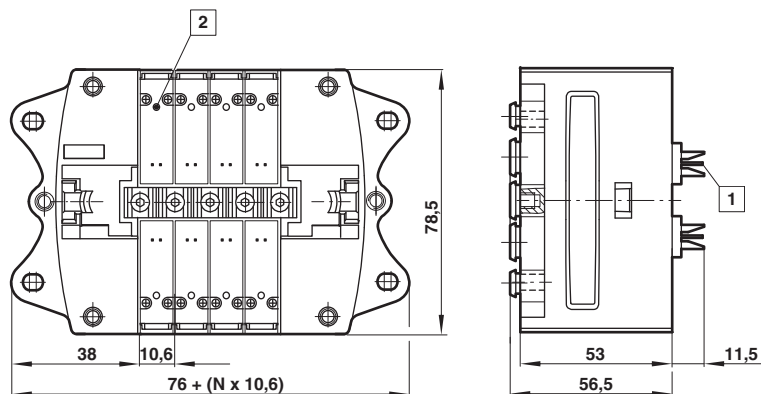
*1) Short code – used in the Online Configurator

Panel cut-out detail



Top cover connections - Individually wired and Multipole Individually wired IP40 (no top cover)

Dimensions in mm
Projection/First angle

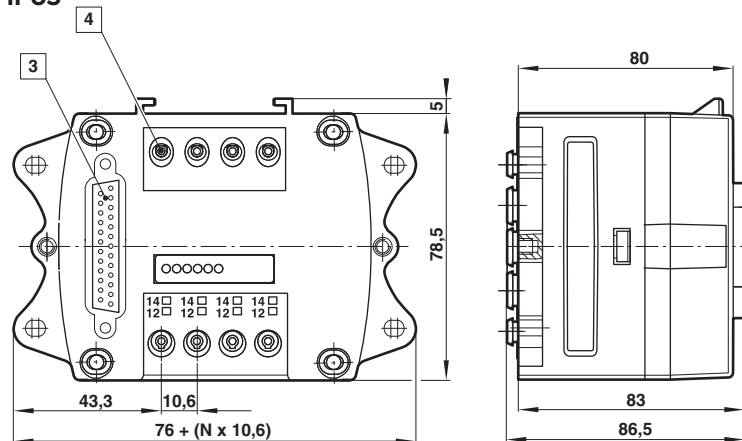


- 1 2 Pin connector
2 Manual override
N = number of stations

Individually wired	No. of stations	Max. no. of solenoids	Weight (kg)*
2 Pin connector	2 ... 20	40	0,170

* kg + valves weight

Multipole IP65



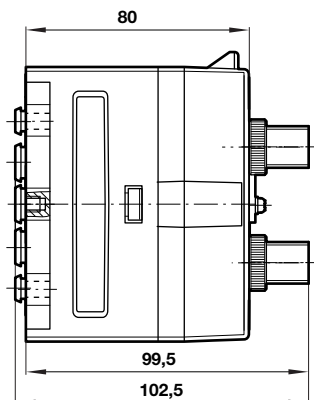
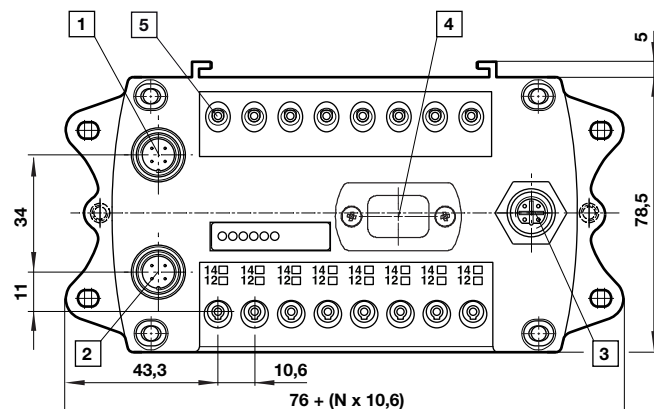
- 3 25 Pin connector for
4, 6, 8, 10 & 12 station
44 Pin connector for 12 & 16 station
4 Manual override, actuate with screw driver
N = number of stations

Multipole	No. of stations	-ve common Model	Short code *	+ve common Model	Short code *	Max. no. of solenoids	Weight (kg)
25 Pin connector	4	VM106517AQ0404	2N04	VM106517RQ0404	2P04	8	0,116
25 Pin connector	6	VM106517AQ0406	2N06			12	0,122
25 Pin connector	8	VM106517AQ0408	2N08	VM106517RQ0408	2P08	16	0,128
25 Pin connector	10	VM106517AQ0410	2N10			20	0,134
25 Pin connector	12	VM106517AQ0412	2N12	VM106517RQ0412	2P12	24	0,140
44 Pin connector	12	VM106517AQ0512	4N12			24	0,144
44 Pin connector	16	VM106517AQ0516	4N16	VM106517RQ0516	4P16	32	0,160

* Short code – used in the Online Configurator

Top cover connections - Fieldbus and Industrial Ethernet

PROFIBUS DP (M12 connector IP65)



Dimensions in mm
Projection/First angle



- 1 M12 power connector
- 2 M12 protocol connector (male)
- 3 M12 protocol connector (female)
- 4 Rotary address switch
- 5 Manual override, actuate with screw driver

N = number of stations

Standard fieldbus	No. of stations	Max. no. of solenoids	Short code *	Weight (kg)	Model
PROFIBUS DP	08	16	PS08	0,138	VM10DPFNB00082
PROFIBUS DP	10	20	PS10	0,144	VM10DPFNB00102
PROFIBUS DP	12	24	PS12	0,150	VM10DPFNB00122
PROFIBUS DP	16	32	PS16	0,170	VM10DPFNB00162

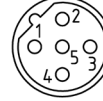
* Short code – used in the Online Configurator

Connector details

Power connection: M12 4-pin A-coded

Male	Pin no.	Function	Tolerance	Max. current
	1	24 VB Logic circuit supply	±30%	300 mA
	2	24 VA Valves	±10%	1,5 A
	3	0 V	–	1,53 A
	4	Earth	–	–

Bus connectors: M12 5-pin B coded

Male Bus in	Female Bus out	Pin no.	Function
		1	5 VI Opto isolator
		2	A-line (green)
		3	0 VI Opto isolated
		4	B-line (red)
		5	Shield

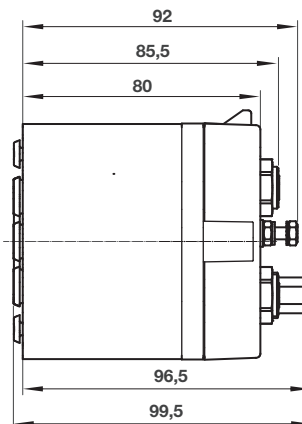
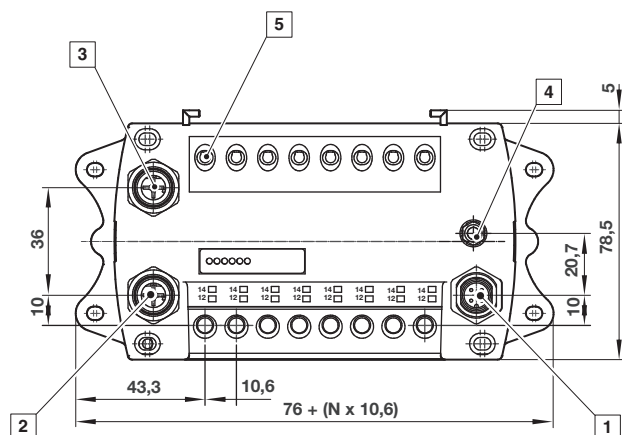
PROFINET IRT (M12 connector IP65)



Dimensions in mm
Projection/First angle

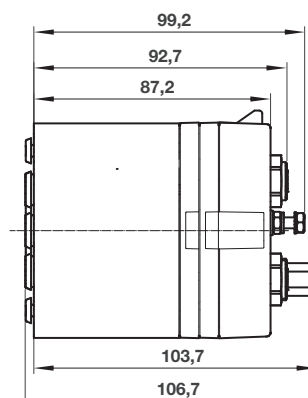
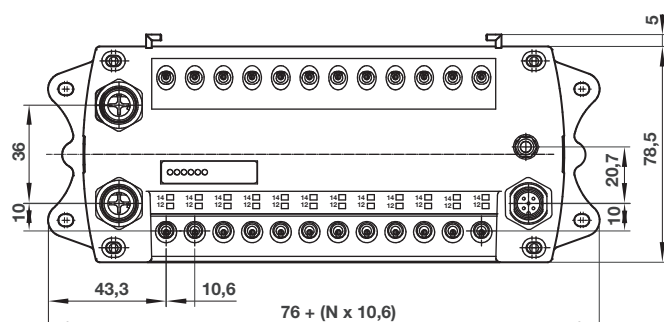


Dimensions for 8 and 10 stations



- 1 M12 power connector (male)
 - 2 M12 protocol connector (female)
 - 3 M12 protocol connector (female)
 - 4 Functional earth
 - 5 Manual override, actuate with screw driver
- N = number of stations

Dimensions for 12 and 16 stations



Industrial Ethernet protocol	No. of stations	Max. no. of solenoids	Short code *	Weight (kg)	Model
PROFINET IRT	8	16	PN08	0,3	VM10PNIEB00080
PROFINET IRT	10	20	PN10	0,32	VM10PNIEB00100
PROFINET IRT	12	24	PN12	0,35	VM10PNIEB00120
PROFINET IRT	16	32	PN16	0,37	VM10PNIEB00160

* Short code – used in the Online Configurator

Connector details

Power connector: M12 5-pin A-coded

Male	Pin no.	Function
	1	L1 (VB+) 24V electronics power supply
	2	N2 (VA-) 0V valves power supply
	3	N1 (VB-) 0V electronics power supply
	4	L2 (VA+) 24V valves power supply
	5	FE (functional earth)

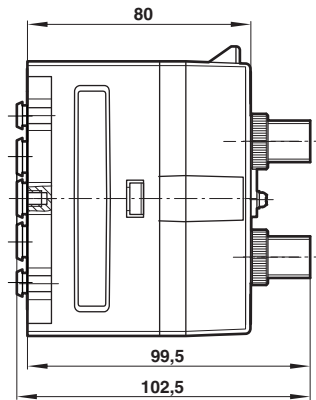
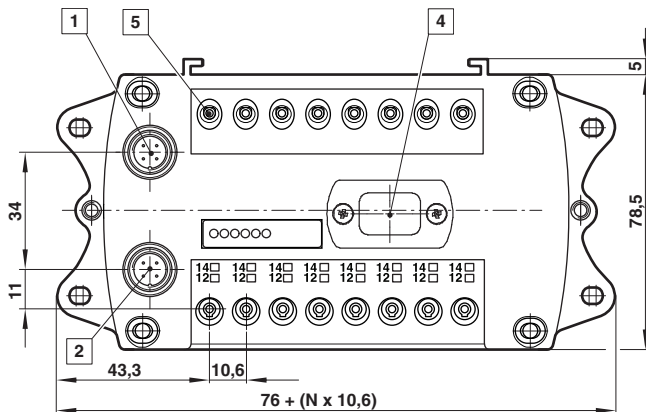
Bus connectors: M12 4-pin D-coded

Female	In Pin no.	Function
	1	Transmission Data + (TD+)
	2	Receive Data + (RD+)
	3	Transmission Data - (TD-)
	4	Receive Data - (RD-)
	housing	(FE) functional earth

DeviceNet and CANopen (M12 connector IP65)

DeviceNet
CANopen

Dimensions in mm
Projection/First angle



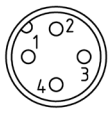
- 1 M12 power connector
 - 2 M12 protocol connector
 - 4 Rotary address switch
 - 5 Manual override, actuate with screw driver
- N = number of stations

Standard fieldbus	No. of stations	Max. no. of solenoids	Short code *	Weight (kg)	Model
DeviceNet	08	16	DR08	0,138	VM10DNFNB00082
DeviceNet	10	20	DR10	0,144	VM10DNFNB00102
DeviceNet	12	24	DR12	0,150	VM10DNFNB00122
DeviceNet	16	32	DR16	0,170	VM10DNFNB00162
CANopen	08	16	CR08	0,138	VM10CAFNB00082
CANopen	10	20	CR10	0,144	VM10CAFNB00102
CANopen	12	24	CR12	0,150	VM10CAFNB00122
CANopen	16	32	CR16	0,170	VM10CAFNB00162

* Short code – used in the Online Configurator

Connector details

Power connection: M12 4-pin A-coded

Male	Pin no.	Function	Tolerance	Max. current
	1	24 VB Logic circuit supply	±30%	300 mA
	2	24 VA Valves	±10%	1,5 A
	3	0 V	–	1,53 A
	4	Earth	–	–

Bus connector: M12 5-pin B-coded

Male	Pin no.	Function
	1	Drain
	2	V+
	3	V-
	4	CAN_H
	5	CAN_L2

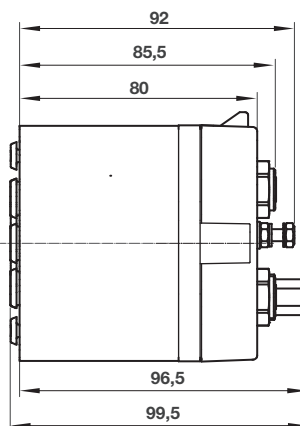
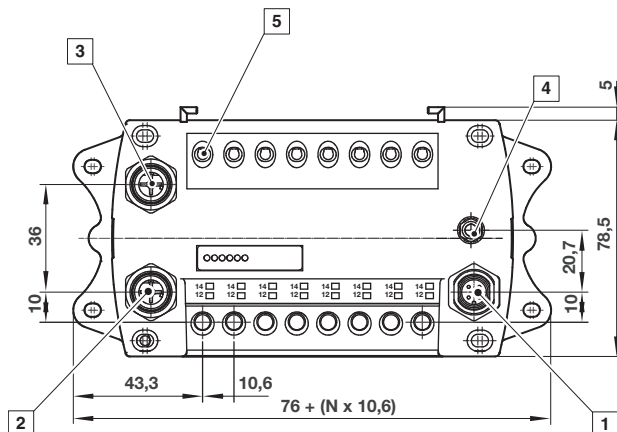
EtherNet/IP (M12 connector IP65)

EtherNet/IP™
DeviceNet™

Dimensions in mm
Projection/First angle



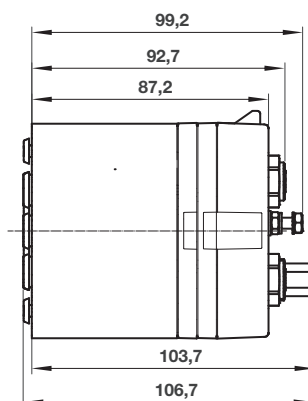
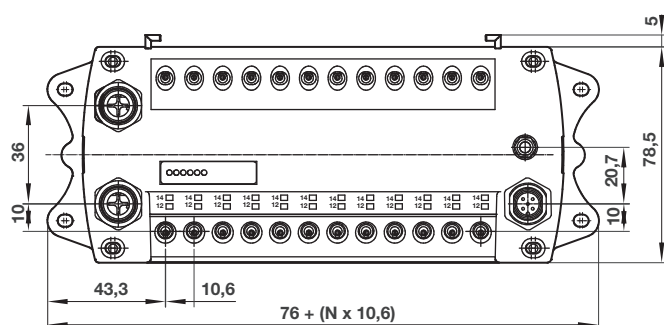
Dimensions for 8 and 10 stations



- 1 M12 power connector (male)
- 2 M12 protocol connector (female)
- 3 M12 protocol connector (female)
- 4 Functional earth
- 5 Manual override, actuate with screw driver

N = number of stations

Dimensions for 12 and 16 stations



Industrial Ethernet protocol	No. of stations	Max. no. of solenoids	Short code *	Weight (kg)	Model
EtherNet/IP	8	16	EP08	0,3	VM10EPIEB00080
EtherNet/IP	10	20	EP10	0,32	VM10EPIEB00100
EtherNet/IP	12	24	EP12	0,35	VM10EPIEB00120
EtherNet/IP	16	32	EP16	0,37	VM10EPIEB00160

* Short code – used in the Online Configurator

Connector details

Power connector: M12 5-pin A-coded

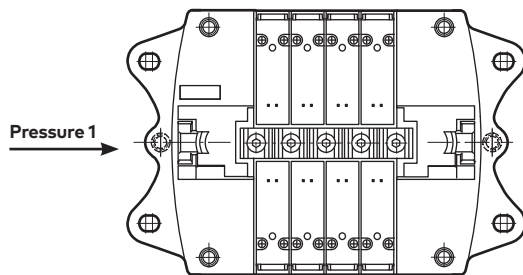
Male	Pin no.	Function
	1	L1 (VB+) 24V electronics power supply
	2	N2 (VA-) 0V valves power supply
	3	N1 (VB-) 0V electronics power supply
	4	L2 (VA+) 24V valves power supply
	5	FE (functional earth)

Bus connectors: M12 4-pin D-coded

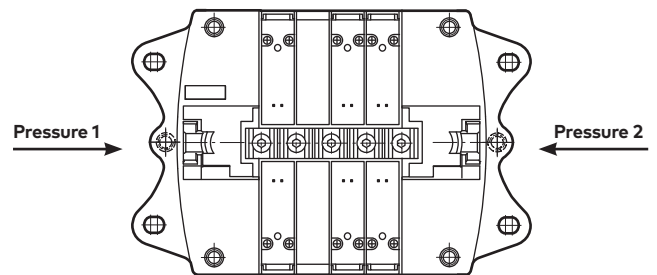
Female	Pin no.	Function
	1	Transmission Data + (TD+)
	2	Receive Data + (RD+)
	3	Transmission Data - (TD-)
	4	Receive Data - (RD-)
	housing	(FE) functional earth

Multi-pressure options

Single pressure



Two pressure

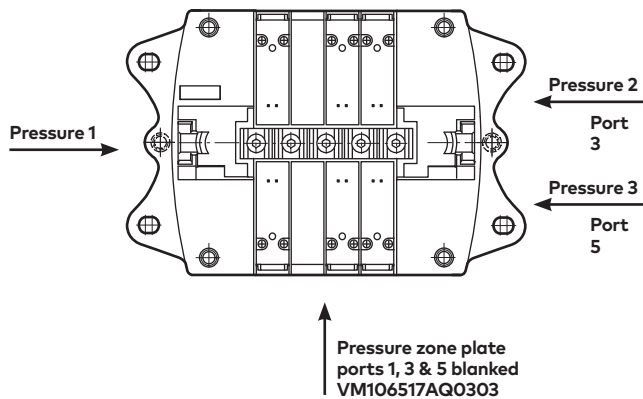


Dimensions in mm
Projection/First angle

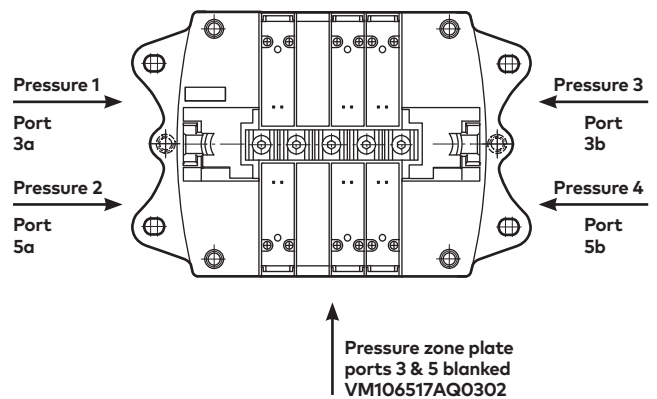


Blanking slice
gallery 1
VM106517AQ0301

Three pressure



Four pressure



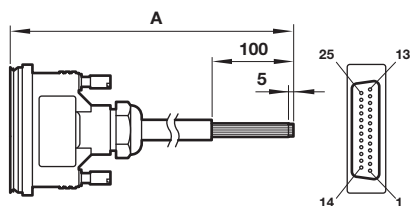
Note:

When using a pressure zone plate blanking port 1, it is not possible to use all internal pilot valves on both sides of the zone plate, at least one external pilot valve needs to be used. For further information please contact our technical service.

Three and four pressure zone islands are achieved by using externally piloted 2 x 3/2 valves and reverse porting via ports 3 and 5.

By reverse porting the valve's function is also reversed so that a NC becomes NO and NO becomes NC.

D sub-connector 25 pin (IP65)



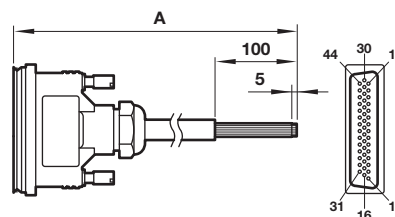
A	Model
1 m	V11569-E01
3 m	V11569-E03
5 m	V11569-E05

Pin no.	Wire colour	Socket	Pilot	Station
1	White	Solenoid 1-a	14	1
2	Brown	Solenoid 2-a	14	2
3	Green	Solenoid 3-a	14	3
4	Yellow	Solenoid 4-a	14	4
5	Grey	Solenoid 5-a	14	5
6	Pink	Solenoid 6-a	14	6
7	Blue	Solenoid 7-a	14	7
8	Red	Solenoid 8-a	14	8
9	Black	Solenoid 9-a	14	9
10	Violet	Solenoid 10-a	14	10
11	Grey/Pink	Solenoid 11-a	14	11
12	Red/Blue	Solenoid 12-a	14	12
13	White/Green	Common-Ve	—	—
14	Brown/Green	Solenoid 1-b	12	1
15	White/Yellow	Solenoid 2-b	12	2
16	Yellow/Brown	Solenoid 3-b	12	3
17	White/Grey	Solenoid 4-b	12	4
18	Grey/Brown	Solenoid 5-b	12	5
19	White/Pink	Solenoid 6-b	12	6
20	Pink/Brown	Solenoid 7-b	12	7
21	White/Blue	Solenoid 8-b	12	8
22	Brown/Blue	Solenoid 9-b	12	9
23	White/Red	Solenoid 10-b	12	10
24	Brown/Red	Solenoid 11-b	12	11
25	White/Black	Solenoid 12-b	12	12

Note: Conforms to IEC60757

D Sub-connector 44 pin (IP65)

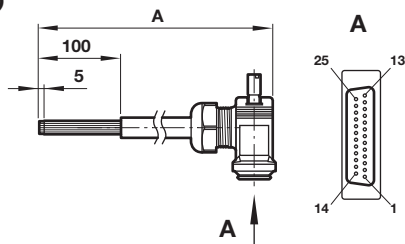
Dimensions in mm
Projection/First angle



A	Model
1 m	V11570-E01
3 m	V11570-E03
5 m	V11570-E05

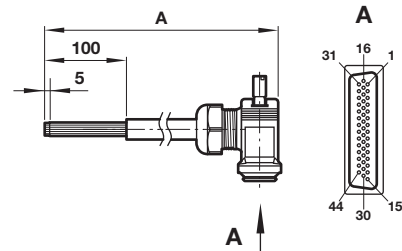
Pin no.	Wire colour	Socket	Pilot	Station
1	White	Solenoid 1-a	14	1
2	Brown	Solenoid 2-a	14	2
3	Green	Solenoid 3-a	14	3
4	Yellow	Solenoid 4-a	14	4
5	Grey	Solenoid 5-a	14	5
6	Pink	Solenoid 6-a	14	6
7	Blue	Solenoid 7-a	14	7
8	Red	Solenoid 8-a	14	8
9	Black	Solenoid 9-a	14	9
10	Violet	Solenoid 10-a	14	10
11	Grey/Pink	Solenoid 11-a	14	11
12	Red/Blue	Solenoid 12-a	14	12
13	White/Green	Solenoid 13-a	14	13
14	Brown/Green	Solenoid 14-a	14	14
15	White/Yellow	Solenoid 15-a	14	15
16	Yellow/Brown	Solenoid 1-b	12	1
17	White/Grey	Solenoid 2-b	12	2
18	Grey/Brown	Solenoid 3-b	12	3
19	White/Pink	Solenoid 4-b	12	4
20	Pink/Brown	Solenoid 5-b	12	5
21	White/Blue	Solenoid 6-b	12	6
22	Brown/Blue	Solenoid 7-b	12	7
23	White/Red	Solenoid 8-b	12	8
24	Brown/Red	Solenoid 9-b	12	9
25	White/Black	Solenoid 10-b	12	10
26	Brown/Black	Solenoid 11-b	12	11
27	Grey/Green	Solenoid 12-b	12	12
28	Yellow/Grey	Solenoid 13-b	12	13
29	Pink/Green	Solenoid 14-b	12	14
30	Yellow/Pink	Solenoid 15-b	12	15
31	Green/Blue	Solenoid 16-a	14	16
32	Yellow/Blue	Solenoid 16-b	12	16
33	—	Not used	—	—
34	—	Not used	—	—
35	—	Not used	—	—
36	—	Not used	—	—
37	—	Not used	—	—
38	—	Not used	—	—
39	—	Not used	—	—
40	—	Not used	—	—
41	—	Not used	—	—
42	—	Not used	—	—
43	—	Not used	—	—
44	Red/Black Yellow/Black	Common-Ve	—	—

D Sub-connector 25 pin 90° (IP65)



A	Model
1 m	V12086-E01
3 m	V12086-E03
5 m	V12086-E05

D Sub-connector 44 pin 90° (IP65)



A	Model
1 m	V12088-E01
3 m	V12088-E03
5 m	V12088-E05

Dimensions in mm
Projection/First angle



Pin no.	Wire colour	Socket	Pilot	Station
1	White	Solenoid 1-a	14	1
2	Brown	Solenoid 2-a	14	2
3	Green	Solenoid 3-a	14	3
4	Yellow	Solenoid 4-a	14	4
5	Grey	Solenoid 5-a	14	5
6	Pink	Solenoid 6-a	14	6
7	Blue	Solenoid 7-a	14	7
8	Red	Solenoid 8-a	14	8
9	Black	Solenoid 9-a	14	9
10	Violet	Solenoid 10-a	14	10
11	Grey/Pink	Solenoid 11-a	14	11
12	Red/Blue	Solenoid 12-a	14	12
13	White/Green	Common-Ve		-
14	Brown/Green	Solenoid 1-b	12	1
15	White/Yellow	Solenoid 2-b	12	2
16	Yellow/Brown	Solenoid 3-b	12	3
17	White/Grey	Solenoid 4-b	12	4
18	Grey/Brown	Solenoid 5-b	12	5
19	White/Pink	Solenoid 6-b	12	6
20	Pink/Brown	Solenoid 7-b	12	7
21	White/Blue	Solenoid 8-b	12	8
22	Brown/Blue	Solenoid 9-b	12	9
23	White/Red	Solenoid 10-b	12	10
24	Brown/Red	Solenoid 11-b	12	11
25	White/Black	Solenoid 12-b	12	12

Note: Conforms to IEC60757

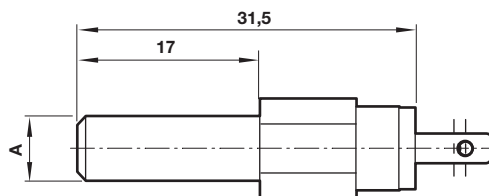
Pin no.	Wire colour	Socket	Pilot	Station
1	White	Solenoid 1-a	14	1
2	Brown	Solenoid 2-a	14	2
3	Green	Solenoid 3-a	14	3
4	Yellow	Solenoid 4-a	14	4
5	Grey	Solenoid 5-a	14	5
6	Pink	Solenoid 6-a	14	6
7	Blue	Solenoid 7-a	14	7
8	Red	Solenoid 8-a	14	8
9	Black	Solenoid 9-a	14	9
10	Violet	Solenoid 10-a	14	10
11	Grey/Pink	Solenoid 11-a	14	11
12	Red/Blue	Solenoid 12-a	14	12
13	White/Green	Solenoid 13-a	14	13
14	Brown/Green	Solenoid 14-a	14	14
15	White/Yellow	Solenoid 15-a	14	15
16	Yellow/Brown	Solenoid 1-b	12	1
17	White/Grey	Solenoid 2-b	12	2
18	Grey/Brown	Solenoid 3-b	12	3
19	White/Pink	Solenoid 4-b	12	4
20	Pink/Brown	Solenoid 5-b	12	5
21	White/Blue	Solenoid 6-b	12	6
22	Brown/Blue	Solenoid 7-b	12	7
23	White/Red	Solenoid 8-b	12	8
24	Brown/Red	Solenoid 9-b	12	9
25	White/Black	Solenoid 10-b	12	10
26	Brown/Black	Solenoid 11-b	12	11
27	Grey/Green	Solenoid 12-b	12	12
28	Yellow/Grey	Solenoid 13-b	12	13
29	Pink/Green	Solenoid 14-b	12	14
30	Yellow/Pink	Solenoid 15-b	12	15
31	Green/Blue	Solenoid 16-a	14	16
32	Yellow/Blue	Solenoid 16-b	12	16
33	—	Not used	—	—
34	—	Not used	—	—
35	—	Not used	—	—
36	—	Not used	—	—
37	—	Not used	—	—
38	—	Not used	—	—
39	—	Not used	—	—
40	—	Not used	—	—
41	—	Not used	—	—
42	—	Not used	—	—
43	—	Not used	—	—
44	Red/Black Yellow/Black	Common -Ve	—	—

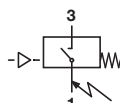
Pressure switch for pilot ports 12 & 14

Dimensions in mm
Projection/First angle

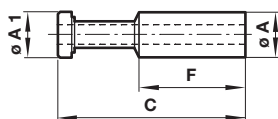


Voltage	24 V d.c.
Pressure range	0 ... 10 bar
Switching point rising pressure	3 ... 5 bar
Switch point falling pressure	2,5 ... 3,7 bar
AMPE-terminals	2,8 x 0,8
Degree of protection	IP00
Adjustment	None



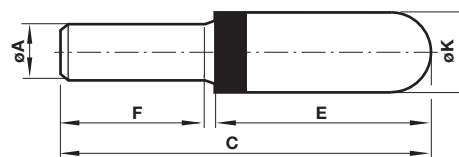
Symbol	A	Short code	Weight (kg)	Model
	4	7A	0,004	VM106517AQ0804
	6	7B	0,004	VM106517AQ0806

Plug C0004



ø A	ø A1	C	F	Model
4	4	30	17,5	C00040400
6	6	34	18,5	C00040600
8	8	38	21	C00040800
10	10	42	24	C00041000

Silencer



ø A	C	E	F	ø K	Model
4	32	16	14	6,5	T45P0004
6	45	24,5	17	12,5	T45P0006
8	43,5	22	19	13,5	T45P0008
10	57,5	31	23	15,5	T45P0010

Part numbering for complete valve islands

VM10★★★★00-★★★★

Number of stations *1)	Substitute
2 stations	2
3 stations	3
4 stations	4
5 stations	5
6 stations	6
7 stations	7
8 stations	8
9 stations	9
10 stations	10
11 stations	11
12 stations	12
13 stations	13
14 stations	14
15 stations	15
16 stations	16
17 stations	17
18 stations	18
19 stations	19
20 stations	20
Electrical connection	Substitute
Individually Wired	IW
Multipole 25 pin	M2
Multipole 44 pin	M4
PROFIBUS DP	PB
PROFINET IRT	PN
DeviceNet	DN
EtherNet/IP	EP
CANopen	CO

To be defined by online Valve Island configurator based on valve slice selection

*1) Individually wired; 2 to 20 stations
 Multipole; 4, 6, 8, 10, 12 and 16 stations
 Fieldbus and Industrial Ethernet;
 8, 10, 12 and 16 stations

Descriptions and short codes for valve slices used in the Valve Island configurator

Description	Manual override	Short code	Model
2 x 3/2 - 2 x NC - Internal feed valve 3 mm PIF	Turn & lock	NA3T	VM103A11AB213B
2 x 3/2 - 2 x NC - Internal feed valve 3 mm PIF	Push only	NA3U	VM103A11AB313B
2 x 3/2 - 2 x NC - Internal feed valve 4 mm PIF	Turn & lock	NA4T	VM104A11AB213B
2 x 3/2 - 2 x NC - Internal feed valve 4 mm PIF	Push only	NA4U	VM104A11AB313B
2 x 3/2 - 2 x NC - Internal feed valve 6 mm PIF	Turn & lock	NA6T	VM106A11AB213B
2 x 3/2 - 2 x NC - Internal feed valve 6 mm PIF	Push only	NA6U	VM106A11AB313B
2 x 3/2 - 2 x NC - External feed valve 3 mm PIF	Turn & lock	ND3T	VM103A22AB213B
2 x 3/2 - 2 x NC - External feed valve 3 mm PIF	Push only	ND3U	VM103A22AB313B
2 x 3/2 - 2 x NC - External feed valve 4 mm PIF	Turn & lock	ND4T	VM104A22AB213B
2 x 3/2 - 2 x NC - External feed valve 4 mm PIF	Push only	ND4U	VM104A22AB313B
2 x 3/2 - 2 x NC - External feed valve 6 mm PIF	Turn & lock	ND6T	VM106A22AB213B
2 x 3/2 - 2 x NC - External feed valve 6 mm PIF	Push only	ND6U	VM106A22AB313B
2 x 3/2 - 2 x NO - Internal feed valve 3 mm PIF	Turn & lock	NB3T	VM103B11AB213B
2 x 3/2 - 2 x NO - Internal feed valve 3 mm PIF	Push only	NB3U	VM103B11AB313B
2 x 3/2 - 2 x NO - Internal feed valve 4 mm PIF	Turn & lock	NB4T	VM104B11AB213B
2 x 3/2 - 2 x NO - Internal feed valve 4 mm PIF	Push only	NB4U	VM104B11AB313B
2 x 3/2 - 2 x NO - Internal feed valve 6 mm PIF	Turn & lock	NB6T	VM106B11AB213B
2 x 3/2 - 2 x NO - Internal feed valve 6 mm PIF	Push only	NB6U	VM106B11AB313B
2 x 3/2 - 2 x NO - External feed valve 3 mm PIF	Turn & lock	NE3T	VM103B22AB213B
2 x 3/2 - 2 x NO - External feed valve 3 mm PIF	Push only	NE3U	VM103B22AB313B
2 x 3/2 - 2 x NO - External feed valve 4 mm PIF	Turn & lock	NE4T	VM104B22AB213B
2 x 3/2 - 2 x NO - External feed valve 4 mm PIF	Push only	NE4U	VM104B22AB313B
2 x 3/2 - 2 x NO - External feed valve 6 mm PIF	Turn & lock	NE6T	VM106B22AB213B
2 x 3/2 - 2 x NO - External feed valve 6 mm PIF	Push only	NE6U	VM106B22AB313B
2 x 3/2 - 1 x NC + 1 x NO - Internal feed valve 3 mm PIF	Turn & lock	NC3T	VM103C11AB213B
2 x 3/2 - 1 x NC + 1 x NO - Internal feed valve 3 mm PIF	Push only	NC3U	VM103C11AB313B
2 x 3/2 - 1 x NC + 1 x NO - Internal feed valve 4 mm PIF	Turn & lock	NC4T	VM104C11AB213B
2 x 3/2 - 1 x NC + 1 x NO - Internal feed valve 4 mm PIF	Push only	NC4U	VM104C11AB313B
2 x 3/2 - 1 x NC + 1 x NO - Internal feed valve 6 mm PIF	Turn & lock	NC6T	VM106C11AB213B
2 x 3/2 - 1 x NC + 1 x NO - Internal feed valve 6 mm PIF	Push only	NC6U	VM106C11AB313B
2 x 3/2 - 1 x NC + 1 x NO - External feed valve 3 mm PIF	Turn & lock	NF3T	VM103C22AB213B
2 x 3/2 - 1 x NC + 1 x NO - External feed valve 3 mm PIF	Push only	NF3U	VM103C22AB313B
2 x 3/2 - 1 x NC + 1 x NO - External feed valve 4 mm PIF	Turn & lock	NF4T	VM104C22AB213B
2 x 3/2 - 1 x NC + 1 x NO - External feed valve 4 mm PIF	Push only	NF4U	VM104C22AB313B
2 x 3/2 - 1 x NC + 1 x NO - External feed valve 6 mm PIF	Turn & lock	NF6T	VM106C22AB213B
2 x 3/2 - 1 x NC + 1 x NO - External feed valve 6 mm PIF	Push only	NF6U	VM106C22AB313B

Description	Manual override	Short code	Model
5/2 Solenoid/spring - Internal feed valve 3 mm PIF	Turn & lock	NG3T	VM103517AB213B
5/2 Solenoid/spring - Internal feed valve 3 mm PIF	Push only	NG3U	VM103517AB313B
5/2 Solenoid/spring - Internal feed valve 4 mm PIF	Turn & lock	NG4T	VM104517AB213B
5/2 Solenoid/spring - Internal feed valve 4 mm PIF	Push only	NG4U	VM104517AB313B
5/2 Solenoid/spring - Internal feed valve 6 mm PIF	Turn & lock	NG6T	VM106517AB213B
5/2 Solenoid/spring - Internal feed valve 6 mm PIF	Push only	NG6U	VM106517AB313B
5/2 Solenoid/spring - External feed valve 3 mm PIF	Turn & lock	NH3T	VM103527AB213B
5/2 Solenoid/spring - External feed valve 3 mm PIF	Push only	NH3U	VM103527AB313B
5/2 Solenoid/spring - External feed valve 4 mm PIF	Turn & lock	NH4T	VM104527AB213B
5/2 Solenoid/spring - External feed valve 4 mm PIF	Push only	NH4U	VM104527AB313B
5/2 Solenoid/spring - External feed valve 6 mm PIF	Turn & lock	NH6T	VM106527AB213B
5/2 Solenoid/spring - External feed valve 6 mm PIF	Push only	NH6U	VM106527AB313B
5/2 Solenoid/solenoid - Internal feed valve 3 mm PIF	Turn & lock	NJ3T	VM103511AB213B
5/2 Solenoid/solenoid - Internal feed valve 3 mm PIF	Push only	NJ3U	VM103511AB313B
5/2 Solenoid/solenoid - Internal feed valve 4 mm PIF	Turn & lock	NJ4T	VM104511AB213B
5/2 Solenoid/solenoid - Internal feed valve 4 mm PIF	Push only	NJ4U	VM104511AB313B
5/2 Solenoid/solenoid - Internal feed valve 6 mm PIF	Turn & lock	NJ6T	VM106511AB213B
5/2 Solenoid/solenoid - Internal feed valve 6 mm PIF	Push only	NJ6U	VM106511AB313B
5/2 Solenoid/solenoid - External feed valve 3 mm PIF	Turn & lock	NK3T	VM103522AB213B
5/2 Solenoid/solenoid - External feed valve 3 mm PIF	Push only	NK3U	VM103522AB313B
5/2 Solenoid/solenoid - External feed valve 4 mm PIF	Turn & lock	NK4T	VM104522AB213B
5/2 Solenoid/solenoid - External feed valve 4 mm PIF	Push only	NK4U	VM104522AB313B
5/2 Solenoid/solenoid - External feed valve 6 mm PIF	Turn & lock	NK6T	VM106522AB213B
5/2 Solenoid/solenoid - External feed valve 6 mm PIF	Push only	NK6U	VM106522AB313B
5/3 APB Solenoid/solenoid - Internal feed valve 3 mm PIF	Turn & lock	NL3T	VM103611AB213B
5/3 APB Solenoid/solenoid - Internal feed valve 3 mm PIF	Push only	NL3U	VM103611AB313B
5/3 APB Solenoid/solenoid - Internal feed valve 4 mm PIF	Turn & lock	NL4T	VM104611AB213B
5/3 APB Solenoid/solenoid - Internal feed valve 4 mm PIF	Push only	NL4U	VM104611AB313B
5/3 APB Solenoid/solenoid - Internal feed valve 6 mm PIF	Turn & lock	NL6T	VM106611AB213B
5/3 APB Solenoid/solenoid - Internal feed valve 6 mm PIF	Push only	NL6U	VM106611AB313B
5/3 APB Solenoid/solenoid - External feed valve 3 mm PIF	Turn & lock	NM3T	VM103622AB213B
5/3 APB Solenoid/solenoid - External feed valve 3 mm PIF	Push only	NM3U	VM103622AB313B
5/3 APB Solenoid/solenoid - External feed valve 4 mm PIF	Turn & lock	NM4T	VM104622AB213B
5/3 APB Solenoid/solenoid - External feed valve 4 mm PIF	Push only	NM4U	VM104622AB313B
5/3 APB Solenoid/solenoid - External feed valve 6 mm PIF	Turn & lock	NM6T	VM106622AB213B
5/3 APB Solenoid/solenoid - External feed valve 6 mm PIF	Push only	NM6U	VM106622AB313B

Descriptions and short codes for end plates used in the Valve Island configurator

Description	Manual override	Short code	Model
End plate kit - feed both ends	10 mm	F100	VM106517AQ010Y
End plate kit - feed both ends	8 mm	F800	VM106517AQ0108
End plate kit - feed left, right blocked	10 mm	L100	VM106517AQ011Y
End plate kit - feed left, right blocked	8 mm	L800	VM106517AQ0118
End plate kit - feed right, left blocked	10 mm	R100	VM106517AQ012Y
End plate kit - feed right, left blocked	8 mm	R800	VM106517AQ0128

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »Technical features/data«. Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult Norgren. Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

Please be aware that any unauthorised interference/tampering of the product and/or use contrary to any of the manufacturer's instructions may invalidate the product warranty.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

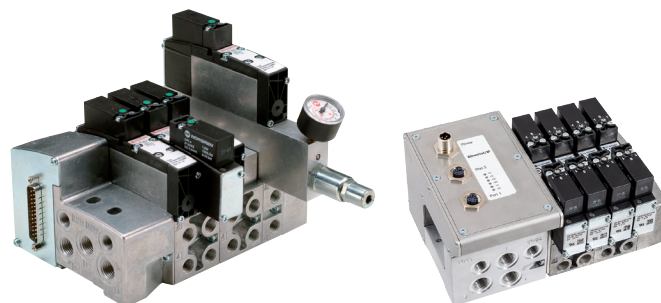
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

VS18 series, 2 x 2/2, 2 x 3/2, 5/2 or 5/3 ISO valve island



- > **Modular system** offering a wide range of configuration options conforming to ISO 15407-2, 18 mm wide valves
- > **24 V d.c. or 115 V a.c.** Multipole and single station sub-base
- > **Integrated Fieldbus, Industrial Ethernet and IO-Link**
- > **Fieldbus expandable with single add-on stations, Industrial Ethernet and IO-Link expandable with double add-on stations.**
- > **Wide range of accessories** including shut off valves enabling non-stop operation
- > **Dual spool technology**
 - Glandless spool and sleeve for long life
 - Softseal spool for high flow
- > **Up to 40 solenoids, operating at 16 bar pressure**
- > **UL and ATEX**



Technical features

Medium:

Compressed air, filtered to 40 µm, lubricated or non-lubricated

Operation:

VS18G: Glandless spool valve, solenoid pilot actuated

VS18S: Softseal spool valve, solenoid pilot actuated

Flow:

Softseal

Function	l/min	Cv	Kv
2 x 2/2	550	0,56	0,46
2 x 3/2	600	0,61	0,52
5/2; 5/3	650	0,66	0,57
Glandless			
5/2; 5/3	550	0,56	0,48

Mounting:

Sub-base

Ports 2+4:

G1/8, NPTF 1/8, PIF 8 mm, PIF 6 mm, PIF 1/4

Operating pressure:

Maximum pressure

10 bar (145 psi) VS18S models and VS18G solenoid pilot actuated

valves with internal pilot supply
16 bar (232 psi) VS18G solenoid pilot actuated valves with external pilot supply

Media/Ambient temperature:

-15 ... +50°C (+5 ... 122°F)

(Ambient)

-5 ... +50°C (+23 ... 122°F)

(Media)

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:

Body/sub-base:

Die-cast aluminium

Glandless spool & sleeve

(VS18G): Aluminium,

hard anodised, PTFE coated

Softseal spool (VS18S):

Aluminium with HNBR seals

Plastic parts: POM, PA, PPA

Mounting sheets/screws: Steel, zinc coated

Springs: Stainless steel

Sandwich plates: Aluminium

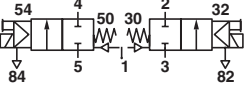
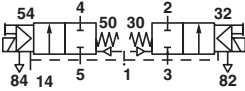
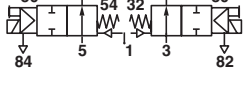
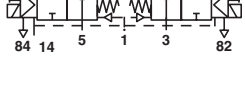
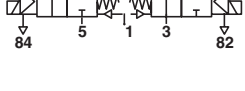
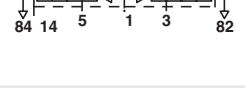
bar material, PA

Electrical contacts: Brass, tin coated

PCB: Glass epoxy

Technical data

2 x 2/2 Double solenoid actuated softseal valves (flow 550 l/min)

Symbol	Function 2 x 2/2	Actuation/ return	Pilot supply	Pilot pressure (bar)	Operating pressure (bar)	Manual override	Voltage	Model
	NC	Sol/Spring	Internal	2,5 ... 10*1)	-0,9 ... 10	Push only	24 V d.c. 1,2 W	VS18SE11DF313A
	NC	Sol/Spring	Internal	2,5 ... 10*1)	-0,9 ... 10	Push only	115 V a.c. 1,5 VA	VS18SE11DF318A
	NC	Sol/Spring	Internal	2,5 ... 10*1)	-0,9 ... 10	Push & turn	24 V d.c. 1,2 W	VS18SE11DF213A
	NC	Sol/Spring	Internal	2,5 ... 10*1)	-0,9 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18SE11DF218A
	NC	Sol/Spring	Internal	2,5 ... 10*1)	-0,9 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18SE11DF513A
	NC	Sol/Spring	Internal	2,5 ... 10*1)	-0,9 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18SE11DF518A
	NC	Sol/Spring	External	1,7 + (0,5 x press. port1)*2)	-0,9 ... 10	Push only	24 V d.c. 1,2 W	VS18SE22DF313A
	NC	Sol/Spring	External	1,7 + (0,5 x press. port1)*2)	-0,9 ... 10	Push only	115 V a.c. 1,5 VA	VS18SE22DF318A
	NC	Sol/Spring	External	1,7 + (0,5 x press. port1)*2)	-0,9 ... 10	Push & turn	24 V d.c. 1,2 W	VS18SE22DF213A
	NC	Sol/Spring	External	1,7 + (0,5 x press. port1)*2)	-0,9 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18SE22DF218A
	NC	Sol/Spring	External	1,7 + (0,5 x press. port1)*2)	-0,9 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18SE22DF513A
	NC	Sol/Spring	External	1,7 + (0,5 x press. port1)*2)	-0,9 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18SE22DF518A
	NO	Sol/Spring	Internal	2,5 ... 10*1)	-0,9 ... 10	Push only	24 V d.c. 1,2 W	VS18SF11DF313A
	NO	Sol/Spring	Internal	2,5 ... 10*1)	-0,9 ... 10	Push only	115 V a.c. 1,5 VA	VS18SF11DF318A
	NO	Sol/Spring	Internal	2,5 ... 10*1)	-0,9 ... 10	Push & turn	24 V d.c. 1,2 W	VS18SF11DF213A
	NO	Sol/Spring	Internal	2,5 ... 10*1)	-0,9 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18SF11DF218A
	NO	Sol/Spring	Internal	2,5 ... 10*1)	-0,9 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18SF11DF513A
	NO	Sol/Spring	Internal	2,5 ... 10*1)	-0,9 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18SF11DF518A
	NO	Sol/Spring	External	1,7 + (0,5 x press. port1)*2)	-0,9 ... 10	Push only	24 V d.c. 1,2 W	VS18SF22DF313A
	NO	Sol/Spring	External	1,7 + (0,5 x press. port1)*2)	-0,9 ... 10	Push only	115 V a.c. 1,5 VA	VS18SF22DF318A
	NO	Sol/Spring	External	1,7 + (0,5 x press. port1)*2)	-0,9 ... 10	Push & turn	24 V d.c. 1,2 W	VS18SF22DF213A
	NO	Sol/Spring	External	1,7 + (0,5 x press. port1)*2)	-0,9 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18SF22DF218A
	NO	Sol/Spring	External	1,7 + (0,5 x press. port1)*2)	-0,9 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18SF22DF513A
	NO	Sol/Spring	External	1,7 + (0,5 x press. port1)*2)	-0,9 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18SF22DF518A
	NO/NC	Sol/Spring	Internal	2,5 ... 10*1)	-0,9 ... 10	Push only	24 V d.c. 1,2 W	VS18SG11DF313A
	NO/NC	Sol/Spring	Internal	2,5 ... 10*1)	-0,9 ... 10	Push only	115 V a.c. 1,5 VA	VS18SG11DF318A
	NO/NC	Sol/Spring	Internal	2,5 ... 10*1)	-0,9 ... 10	Push & turn	24 V d.c. 1,2 W	VS18SG11DF213A
	NO/NC	Sol/Spring	Internal	2,5 ... 10*1)	-0,9 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18SG11DF218A
	NO/NC	Sol/Spring	Internal	2,5 ... 10*1)	-0,9 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18SG11DF513A
	NO/NC	Sol/Spring	Internal	2,5 ... 10*1)	-0,9 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18SG11DF518A
	NO/NC	Sol/Spring	External	1,7 + (0,5 x press. port1)*2)	-0,9 ... 10	Push only	24 V d.c. 1,2 W	VS18SG22DF313A
	NO/NC	Sol/Spring	External	1,7 + (0,5 x press. port1)*2)	-0,9 ... 10	Push only	115 V a.c. 1,5 VA	VS18SG22DF318A
	NO/NC	Sol/Spring	External	1,7 + (0,5 x press. port1)*2)	-0,9 ... 10	Push & turn	24 V d.c. 1,2 W	VS18SG22DF213A
	NO/NC	Sol/Spring	External	1,7 + (0,5 x press. port1)*2)	-0,9 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18SG22DF218A
	NO/NC	Sol/Spring	External	1,7 + (0,5 x press. port1)*2)	-0,9 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18SG22DF513A
	NO/NC	Sol/Spring	External	1,7 + (0,5 x press. port1)*2)	-0,9 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18SG22DF518A

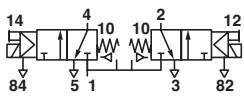
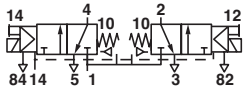
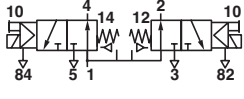
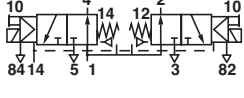
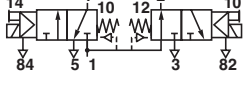
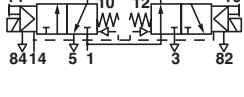
Valve dimensions see page 8

NO = Normally open, NC = Normally closed

*1) Pilot air supply through port 1

*2) Pilot air supply through port 12/14

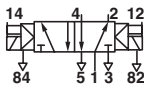
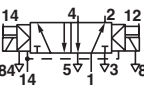
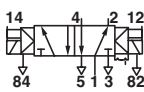
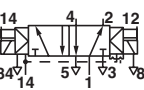
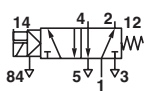
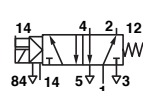
2 x 3/2 Double solenoid actuated softseal valves (flow 600 l/min)

Symbol	Function 2 x 3/2	Actuation/ return	Pilot supply	Pilot pressure (bar)	Operating pressure (bar)	Manual override	Voltage	Model
	NC	Sol/Spring	Internal	–	2,5 ... 10	Push only	24 V d.c. 1,2 W	VS18SA11DF313A
	NC	Sol/Spring	Internal	–	2,5 ... 10	Push only	115 V a.c. 1,5 VA	VS18SA11DF318A
	NC	Sol/Spring	Internal	–	2,5 ... 10	Push & turn	24 V d.c. 1,2 W	VS18SA11DF213A
	NC	Sol/Spring	Internal	–	2,5 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18SA11DF218A
	NC	Sol/Spring	Internal	–	2,5 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18SA11DF513A
	NC	Sol/Spring	Internal	–	2,5 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18SA11DF518A
	NC	Sol/Spring	External	1,7 + (0,35 x op. press.)	0 ... 10	Push only	24 V d.c. 1,2 W	VS18SA22DF313A
	NC	Sol/Spring	External	1,7 + (0,35 x op. press.)	0 ... 10	Push only	115 V a.c. 1,5 VA	VS18SA22DF318A
	NC	Sol/Spring	External	1,7 + (0,35 x op. press.)	0 ... 10	Push & turn	24 V d.c. 1,2 W	VS18SA22DF213A
	NC	Sol/Spring	External	1,7 + (0,35 x op. press.)	0 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18SA22DF218A
	NC	Sol/Spring	External	1,7 + (0,35 x op. press.)	0 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18SA22DF513A
	NC	Sol/Spring	External	1,7 + (0,35 x op. press.)	0 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18SA22DF518A
	NO	Sol/Spring	Internal	–	2,5 ... 10	Push only	24 V d.c. 1,2 W	VS18SB11DF313A
	NO	Sol/Spring	Internal	–	2,5 ... 10	Push only	115 V a.c. 1,5 VA	VS18SB11DF318A
	NO	Sol/Spring	Internal	–	2,5 ... 10	Push & turn	24 V d.c. 1,2 W	VS18SB11DF213A
	NO	Sol/Spring	Internal	–	2,5 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18SB11DF218A
	NO	Sol/Spring	Internal	–	2,5 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18SB11DF513A
	NO	Sol/Spring	Internal	–	2,5 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18SB11DF518A
	NO	Sol/Spring	External	1,7 + (0,35 x op. press.)	0 ... 10	Push only	24 V d.c. 1,2 W	VS18SB22DF313A
	NO	Sol/Spring	External	1,7 + (0,35 x op. press.)	0 ... 10	Push only	115 V a.c. 1,5 VA	VS18SB22DF318A
	NO	Sol/Spring	External	1,7 + (0,35 x op. press.)	0 ... 10	Push & turn	24 V d.c. 1,2 W	VS18SB22DF213A
	NO	Sol/Spring	External	1,7 + (0,35 x op. press.)	0 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18SB22DF218A
	NO	Sol/Spring	External	1,7 + (0,35 x op. press.)	0 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18SB22DF513A
	NO	Sol/Spring	External	1,7 + (0,35 x op. press.)	0 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18SB22DF518A
	NO/NC	Sol/Spring	Internal	–	2,5 ... 10	Push only	24 V d.c. 1,2 W	VS18SC11DF313A
	NO/NC	Sol/Spring	Internal	–	2,5 ... 10	Push only	115 V a.c. 1,5 VA	VS18SC11DF318A
	NO/NC	Sol/Spring	Internal	–	2,5 ... 10	Push & turn	24 V d.c. 1,2 W	VS18SC11DF213A
	NO/NC	Sol/Spring	Internal	–	2,5 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18SC11DF218A
	NO/NC	Sol/Spring	Internal	–	2,5 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18SC11DF513A
	NO/NC	Sol/Spring	Internal	–	2,5 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18SC11DF518A
	NO/NC	Sol/Spring	External	1,7 + (0,35 x op. press.)	0 ... 10	Push only	24 V d.c. 1,2 W	VS18SC22DF313A
	NO/NC	Sol/Spring	External	1,7 + (0,35 x op. press.)	0 ... 10	Push only	115 V a.c. 1,5 VA	VS18SC22DF318A
	NO/NC	Sol/Spring	External	1,7 + (0,35 x op. press.)	0 ... 10	Push & turn	24 V d.c. 1,2 W	VS18SC22DF213A
	NO/NC	Sol/Spring	External	1,7 + (0,35 x op. press.)	0 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18SC22DF218A
	NO/NC	Sol/Spring	External	1,7 + (0,35 x op. press.)	0 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18SC22DF513A
	NO/NC	Sol/Spring	External	1,7 + (0,35 x op. press.)	0 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18SC22DF518A

Valve dimensions see page 8

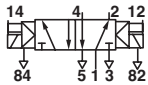
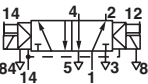
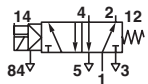
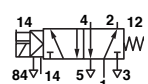
NO = Normally open, NC = Normally closed

5/2 Single and double solenoid actuated glandless valves (flow 550 l/min)

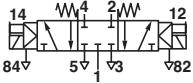
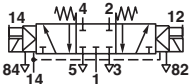
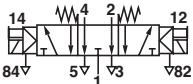
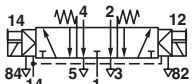
Symbol	Actuation/ return	Pilot supply	Pilot pressure (bar)	Operating pressure (bar)	Manual override	Voltage	Model
	Sol/Sol	Internal	–	2 ... 10	Push only	24 V d.c. 1,2 W	VS18G511DF313A
	Sol/Sol	Internal	–	2 ... 10	Push only	115 V a.c. 1,5 VA	VS18G511DF318A
	Sol/Sol	Internal	–	2 ... 10	Push & turn	24 V d.c. 1,2 W	VS18G511DF213A
	Sol/Sol	Internal	–	2 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18G511DF218A
	Sol/Sol	Internal	–	2 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18G511DF513A
	Sol/Sol	Internal	–	2 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18G511DF518A
	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push only	24 V d.c. 1,2 W	VS18G522DF313A
	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push only	115 V a.c. 1,5 VA	VS18G522DF318A
	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push & turn	24 V d.c. 1,2 W	VS18G522DF213A
	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push & turn	115 V a.c. 1,5 VA	VS18G522DF218A
	Sol/Sol	External	2 ... 10	-0,9 ... 16	Extended, Push only	24 V d.c. 1,2 W	VS18G522DF513A
	Sol/Sol	External	2 ... 10	-0,9 ... 16	Extended, Push only	115 V a.c. 1,5 VA	VS18G522DF518A
	Sol(Priority)/Sol	Internal	–	2 ... 10	Push only	24 V d.c. 1,2 W	VS18G591DF313A
	Sol(Priority)/Sol	Internal	–	2 ... 10	Push only	115 V a.c. 1,5 VA	VS18G591DF318A
	Sol(Priority)/Sol	Internal	–	2 ... 10	Push & turn	24 V d.c. 1,2 W	VS18G591DF213A
	Sol(Priority)/Sol	Internal	–	2 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18G591DF218A
	Sol(Priority)/Sol	Internal	–	2 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18G591DF513A
	Sol(Priority)/Sol	Internal	–	2 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18G591DF518A
	Sol(Priority)/Sol	External	2 ... 10	-0,9 ... 16	Push only	24 V d.c. 1,2 W	VS18G592DF313A
	Sol(Priority)/Sol	External	2 ... 10	-0,9 ... 16	Push only	115 V a.c. 1,5 VA	VS18G592DF318A
	Sol(Priority)/Sol	External	2 ... 10	-0,9 ... 16	Push & turn	24 V d.c. 1,2 W	VS18G592DF213A
	Sol(Priority)/Sol	External	2 ... 10	-0,9 ... 16	Push & turn	115 V a.c. 1,5 VA	VS18G592DF218A
	Sol(Priority)/Sol	External	2 ... 10	-0,9 ... 16	Extended, Push only	24 V d.c. 1,2 W	VS18G592DF513A
	Sol(Priority)/Sol	External	2 ... 10	-0,9 ... 16	Extended, Push only	115 V a.c. 1,5 VA	VS18G592DF518A
	Sol/Spring	Internal	–	1,6 ... 10	Push only	24 V d.c. 1,2 W	VS18G517DF313A
	Sol/Spring	Internal	–	1,6 ... 10	Push only	115 V a.c. 1,5 VA	VS18G517DF318A
	Sol/Spring	Internal	–	1,6 ... 10	Push & turn	24 V d.c. 1,2 W	VS18G517DF213A
	Sol/Spring	Internal	–	1,6 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18G517DF218A
	Sol/Spring	Internal	–	1,6 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18G517DF513A
	Sol/Spring	Internal	–	1,6 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18G517DF518A
	Sol/Spring	External	1,6 ... 10	-0,9 ... 16	Push only	24 V d.c. 1,2 W	VS18G527DF313A
	Sol/Spring	External	1,6 ... 10	-0,9 ... 16	Push only	115 V a.c. 1,5 VA	VS18G527DF318A
	Sol/Spring	External	1,6 ... 10	-0,9 ... 16	Push & turn	24 V d.c. 1,2 W	VS18G527DF213A
	Sol/Spring	External	1,6 ... 10	-0,9 ... 16	Push & turn	115 V a.c. 1,5 VA	VS18G527DF218A
	Sol/Spring	External	1,6 ... 10	-0,9 ... 16	Extended, Push only	24 V d.c. 1,2 W	VS18G527DF513A
	Sol/Spring	External	1,6 ... 10	-0,9 ... 16	Extended, Push only	115 V a.c. 1,5 VA	VS18G527DF518A

Valve dimensions see page 8

5/2 Single and double solenoid actuated softseal valves (flow 650 l/min)

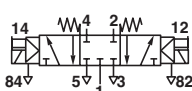
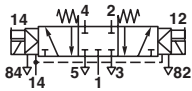
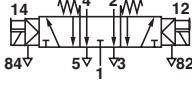
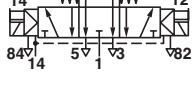
Symbol	Actuation/ return	Pilot supply	Pilot pressure (bar)	Operating pressure (bar)	Manual override	Voltage	Model
	Sol/Sol	Internal	–	2 ... 10	Push only	24 V d.c. 1,2 W	VS18S511DF313A
	Sol/Sol	Internal	–	2 ... 10	Push only	115 V a.c. 1,5 VA	VS18S511DF318A
	Sol/Sol	Internal	–	2 ... 10	Push & turn	24 V d.c. 1,2 W	VS18S511DF213A
	Sol/Sol	Internal	–	2 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18S511DF218A
	Sol/Sol	Internal	–	2 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18S511DF513A
	Sol/Sol	Internal	–	2 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18S511DF518A
	Sol/Sol	External	2 ... 10	-0,9 ... 10	Push only	24 V d.c. 1,2 W	VS18S522DF313A
	Sol/Sol	External	2 ... 10	-0,9 ... 10	Push only	115 V a.c. 1,5 VA	VS18S522DF318A
	Sol/Sol	External	2 ... 10	-0,9 ... 10	Push & turn	24 V d.c. 1,2 W	VS18S522DF213A
	Sol/Sol	External	2 ... 10	-0,9 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18S522DF218A
	Sol/Sol	External	2 ... 10	-0,9 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18S522DF513A
	Sol/Sol	External	2 ... 10	-0,9 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18S522DF518A
	Sol/Spring	Internal	–	2 ... 10	Push only	24 V d.c. 1,2 W	VS18S517DF313A
	Sol/Spring	Internal	–	2 ... 10	Push only	115 V a.c. 1,5 VA	VS18S517DF318A
	Sol/Spring	Internal	–	2 ... 10	Push & turn	24 V d.c. 1,2 W	VS18S517DF213A
	Sol/Spring	Internal	–	2 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18S517DF218A
	Sol/Spring	Internal	–	2 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18S517DF513A
	Sol/Spring	Internal	–	2 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18S517DF518A
	Sol/Spring	External	2 ... 10	-0,9 ... 10	Push only	24 V d.c. 1,2 W	VS18S527DF313A
	Sol/Spring	External	2 ... 10	-0,9 ... 10	Push only	115 V a.c. 1,5 VA	VS18S527DF318A
	Sol/Spring	External	2 ... 10	-0,9 ... 10	Push & turn	24 V d.c. 1,2 W	VS18S527DF213A
	Sol/Spring	External	2 ... 10	-0,9 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18S527DF218A
	Sol/Spring	External	2 ... 10	-0,9 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18S527DF513A
	Sol/Spring	External	2 ... 10	-0,9 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18S527DF518A

5/3 Double solenoid actuated glandless valves (flow 550 l/min)

Symbol	Function	Actuation/ return	Pilot supply	Pilot pressure (bar)	Operating pressure (bar)	Manual override	Voltage	Model
	APB	Sol/Sol	Internal	–	2 ... 10	Push only	24 V d.c. 1,2 W	VS18G611DF313A
	APB	Sol/Sol	Internal	–	2 ... 10	Push only	115 V a.c. 1,5 VA	VS18G611DF318A
	APB	Sol/Sol	Internal	–	2 ... 10	Push & turn	24 V d.c. 1,2 W	VS18G611DF213A
	APB	Sol/Sol	Internal	–	2 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18G611DF218A
	APB	Sol/Sol	Internal	–	2 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18G611DF513A
	APB	Sol/Sol	Internal	–	2 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18G611DF518A
	APB	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push only	24 V d.c. 1,2 W	VS18G622DF313A
	APB	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push only	115 V a.c. 1,5 VA	VS18G622DF318A
	APB	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push & turn	24 V d.c. 1,2 W	VS18G622DF213A
	APB	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push & turn	115 V a.c. 1,5 VA	VS18G622DF218A
	APB	Sol/Sol	External	2 ... 10	-0,9 ... 16	Extended, Push only	24 V d.c. 1,2 W	VS18G622DF513A
	APB	Sol/Sol	External	2 ... 10	-0,9 ... 16	Extended, Push only	115 V a.c. 1,5 VA	VS18G622DF518A
	COE	Sol/Sol	Internal	–	2 ... 10	Push only	24 V d.c. 1,2 W	VS18G711DF313A
	COE	Sol/Sol	Internal	–	2 ... 10	Push only	115 V a.c. 1,5 VA	VS18G711DF318A
	COE	Sol/Sol	Internal	–	2 ... 10	Push & turn	24 V d.c. 1,2 W	VS18G711DF213A
	COE	Sol/Sol	Internal	–	2 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18G711DF218A
	COE	Sol/Sol	Internal	–	2 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18G711DF513A
	COE	Sol/Sol	Internal	–	2 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18G711DF518A
	COE	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push only	24 V d.c. 1,2 W	VS18G722DF313A
	COE	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push only	115 V a.c. 1,5 VA	VS18G722DF318A
	COE	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push & turn	24 V d.c. 1,2 W	VS18G722DF213A
	COE	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push & turn	115 V a.c. 1,5 VA	VS18G722DF218A
	COE	Sol/Sol	External	2 ... 10	-0,9 ... 16	Extended, Push only	24 V d.c. 1,2 W	VS18G722DF513A
	COE	Sol/Sol	External	2 ... 10	-0,9 ... 16	Extended, Push only	115 V a.c. 1,5 VA	VS18G722DF518A

Valve dimensions see page 8
 APB = All Ports Blocked
 COE = Centre Open Exhaust

5/3 Double solenoid actuated Softseal valves (flow 650 l/min)

Symbol	Function	Actuation/ return	Pilot supply	Pilot pressure (bar)	Operating pressure (bar)	Manual override	Voltage	Model
	APB	Sol/Sol	Internal	–	2 ... 10	Push only	24 V d.c. 1,2 W	VS18S611DF313A
	APB	Sol/Sol	Internal	–	2 ... 10	Push only	115 V a.c. 1,5 VA	VS18S611DF318A
	APB	Sol/Sol	Internal	–	2 ... 10	Push & turn	24 V d.c. 1,2 W	VS18S611DF213A
	APB	Sol/Sol	Internal	–	2 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18S611DF218A
	APB	Sol/Sol	Internal	–	2 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18S611DF513A
	APB	Sol/Sol	Internal	–	2 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18S611DF518A
	APB	Sol/Sol	External	2 ... 10	-0,9 ... 10	Push only	24 V d.c. 1,2 W	VS18S622DF313A
	APB	Sol/Sol	External	2 ... 10	-0,9 ... 10	Push only	115 V a.c. 1,5 VA	VS18S622DF318A
	APB	Sol/Sol	External	2 ... 10	-0,9 ... 10	Push & turn	24 V d.c. 1,2 W	VS18S622DF213A
	APB	Sol/Sol	External	2 ... 10	-0,9 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18S622DF218A
	APB	Sol/Sol	External	2 ... 10	-0,9 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18S622DF513A
	APB	Sol/Sol	External	2 ... 10	-0,9 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18S622DF518A
	COE	Sol/Sol	Internal	–	2,5 ... 10	Push only	24 V d.c. 1,2 W	VS18S711DF313A
	COE	Sol/Sol	Internal	–	2,5 ... 10	Push only	115 V a.c. 1,5 VA	VS18S711DF318A
	COE	Sol/Sol	Internal	–	2,5 ... 10	Push & turn	24 V d.c. 1,2 W	VS18S711DF213A
	COE	Sol/Sol	Internal	–	2,5 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18S711DF218A
	COE	Sol/Sol	Internal	–	2,5 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18S711DF513A
	COE	Sol/Sol	Internal	–	2,5 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18S711DF518A
	COE	Sol/Sol	External	2,5 ... 10	-0,9 ... 10	Push only	24 V d.c. 1,2 W	VS18S722DF313A
	COE	Sol/Sol	External	2,5 ... 10	-0,9 ... 10	Push only	115 V a.c. 1,5 VA	VS18S722DF318A
	COE	Sol/Sol	External	2,5 ... 10	-0,9 ... 10	Push & turn	24 V d.c. 1,2 W	VS18S722DF213A
	COE	Sol/Sol	External	2,5 ... 10	-0,9 ... 10	Push & turn	115 V a.c. 1,5 VA	VS18S722DF218A
	COE	Sol/Sol	External	2,5 ... 10	-0,9 ... 10	Extended, Push only	24 V d.c. 1,2 W	VS18S722DF513A
	COE	Sol/Sol	External	2,5 ... 10	-0,9 ... 10	Extended, Push only	115 V a.c. 1,5 VA	VS18S722DF518A

Valve dimensions see page 8

APB = All Ports Blocked

COE = Centre Open Exhaust

Options selector for valve slices

Spool technology	Substitute
Glandless spool & sleeve	G
Softseal spool	S
Guiding systems	Substitute
2 x 3/2 NC *3)	A
2 x 3/2 NO *3)	B
2 x 3/2 NO/NC *3)	C
2 x 2/2 NC *3)	E
2 x 2/2 NO *3)	F
2 x 2/2 NO/NC *3)	G
5/2	5
5/3 APB	6
5/3 COE	7

*3) Available with softseal spool only (VS18S).

VS18★★★★DF★★★★

Application	Substitute
Standard environment	A
ATEX approval *6)	E
Voltage	Substitute
24 V d.c. 1,2 W (±10%)	13
115 V a.c. 1,5 VA (-10/+15%)	18
12 V d.c. 1,2 W (±10%)	on request
12 V d.c. 1,5 W (-17/+20%)	on request
24 V d.c. 1,5 W (-17/+20%)	on request
Manual override *5)	Substitute
Push & turn	2
Push only	3
Extended, Push only	5
Actuation/Pilot supply	Substitute
Solenoid/Spring Internal pilot supply	17
Solenoid/Spring External pilot supply	27
Solenoid/Solenoid Internal pilot supply	11
Solenoid/Solenoid External pilot supply	22
Solenoid priority side 14/Solenoid (5/2 only) Internal pilot supply *4)	91
Solenoid priority side 14/Solenoid (5/2 only) External pilot supply *4)	92

*4) Available with glandless spool & sleeve only (VS18G)

*5) Option "without manual override" available on request.

*6) Available with 24 V d.c. 1,2 W (±10%) only

Electrical details for solenoid operators

Voltage tolerances	(24 V d.c) +/- 10%
Voltage tolerances	(115 V a.c) -10%/+15%
Rating	100 % Continuous duty
Inlet orifice	0,8 mm
Indication	LED green
Surge suppression	Transil diode
Materials	PPS (body), FKM and NBR (seal)

Note: Alternative voltage and voltage tolerances see option selector on page 6

Protection classification (IP Code):

All VS18 valve islands fulfill IP65 and NEMA4 ratings.

Power supply and precautions:

All VS18 24 V d.c products are designed to be used with a protective extra low voltage (PELV) power supply. All VS18 115 V a.c products correspond to the protection class I. Connection of the protective earth (PE) ground is required.

UL approval:

Recognized to UL 429 for Electrically Operated Valves (not applicable for Industrial Ethernet, IO-Link and Fieldbus options).

ATEX:

The 24 V d.c valve islands fulfils the requirement of the standard 2014/34/EU for intended use in hazardous locations.



Multipole and Industrial

Ethernet versions:

II 3G Ex nA IIC T4 Gc

II 3D Ex tc IIIC T135°C Dc

IO-Link

II 3G Ex ec IIC T4 Gc

II 3D Ex tc IIIB T135°C Dc

Fieldbus versions:

II 3G Ex nA IIC T4 Gc

II 3D Ex tc IIIB T135°C Dc

Equipment group, category, type of protection:

The Declaration of Conformity of the valve islands was conducted by IMI Precision Engineering Norgren GmbH, D-70731 Fellbach. Please review all ATEX data and notes in the maintenance and instruction booklet to eliminate any risks, allowing for safe function of the valve islands.

Note:

Please refer to the corresponding ATEX installation instructions and the maximum permissible operating conditions for valve islands in the ATEX zone.

The maximum allowed power consumption for ATEX is 20W. This corresponds to 16 simultaneously energized pilot valves. If a configuration consists of more than 16 pilot valves the user must undertake external actions (e.g. power-limited power supplies) to make sure that the power consumption of 20W is not exceeded.

This does not apply to IO-Link versions. Up to 40 pilot valves can be operated at IO-Link versions.

Accessories

Electrical Connection and base accessories for Multipole, Fieldbus, IO-Link and Industrial Ethernet

Spare valve identification labels *7)  VS2672905-KG00 (10 pcs.)	Blanking plug for base connector hole *8)  VS2672914-KG00	Blanking disc to modular sub-base  VS1872405-KF00 (Ports 1, 3, 5) VS1872406-KF00 (Port 12/14)	Manual override set-up kit  VS2672906-KG00	DIN EN 50 022 rail (1 m)  V10009-C00 (35 x 7,5 mm)
DIN-rail mounting kit  V70531-KA0 *9) VS2672971-KG00 *11)	Intermediate supply/exhaust module  Page 18 VS1872402-AF00 (G1/8) VS1872402-PF00 (NPTF 1/8)	Blanking plate  Page 18 VS1872404-KF00 *10) VS1872407-KF00 *12)		

*7) When purchasing assembled valve islands from IMI Norgren, valve identification labels are already included.

*8) When V44/V45 valves are fitted on VS26 bases.

*9) Not suitable for Industrial Ethernet.

*10) Not suitable for IO-Link and Industrial Ethernet.

*11) Industrial Ethernet (only)

*12) IO-Link and Industrial Ethernet (only)

Sandwich plates

Single pressure regulator plate



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VS1872400-KF10 (Port 1)
VS1872400-KF20 (Port 2)
VS1872400-KF30 (Port 4)

Double pressure regulator plate



Page 13

VS1872400-KF40 (Ports 2+4)

Flow regulator plate



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VS1872401-KF00 (Ports 3+5)

Sandwich plate with additional pressure port 1



Page 14

VS1872428-KFG00 (G1/8)

Single valve shut-off plate



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VS1872403-KF00 (Port 1)

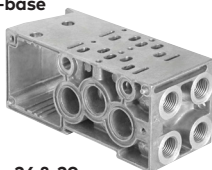
Sub-bases and end plates

Single station sub-base



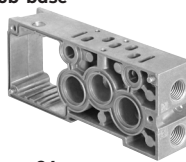
Page 9

Double station modular sub-base



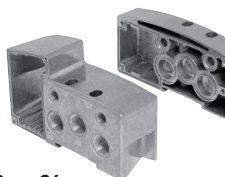
Page 26 & 29

Single station modular sub-base



Page 26

End plate kit

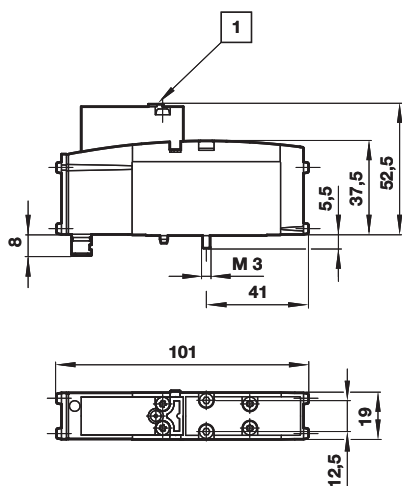


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Valve dimensions

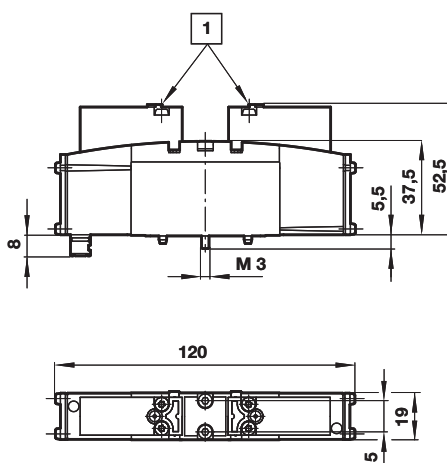
VS18*5*7DF*1**

5/2 Single solenoid pilot valve, mechanical spring return



VS18****DF*1**

2 x 2/2, 2 x 3/2, 5/2 and 5/3 Double solenoid, pilot valve



Dimensions in mm
Projection/First angle



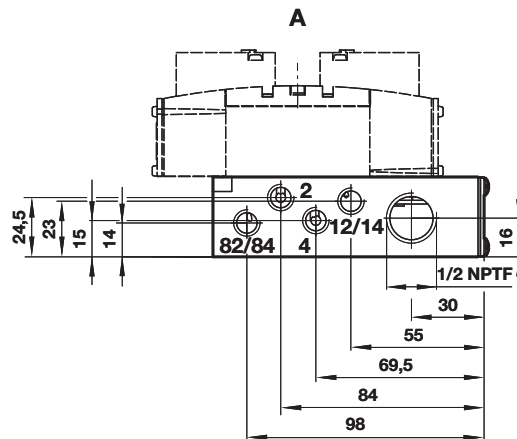
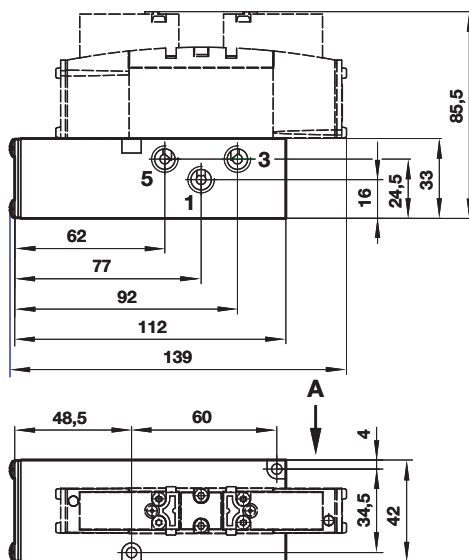
1 Manual override

Single station sub-base

Description	Ports 1, 3 & 5	Ports 12/14 & 82/84	Ports 2 & 4	Connector type	Model
Single station sub-base for 24 V d.c.	G1/8	G1/8	G1/8	M12	VS1872010-AF00
Single station sub-base for 24 V d.c.	NPTF 1/8	NPTF 1/8	NPTF 1/8	M12	VS1872010-PF00
Single station sub-base for 24 V d.c. and 115 V a.c.	NPTF 1/8	NPTF 1/8	NPTF 1/8	NPTF1/2 conduit	VS1872011-PF00

Connector type: NPTF 1/2 conduit with flying leads

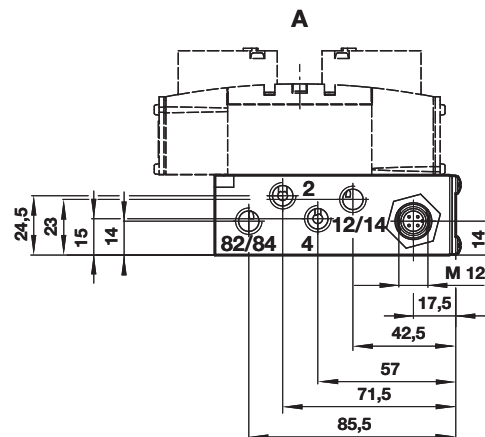
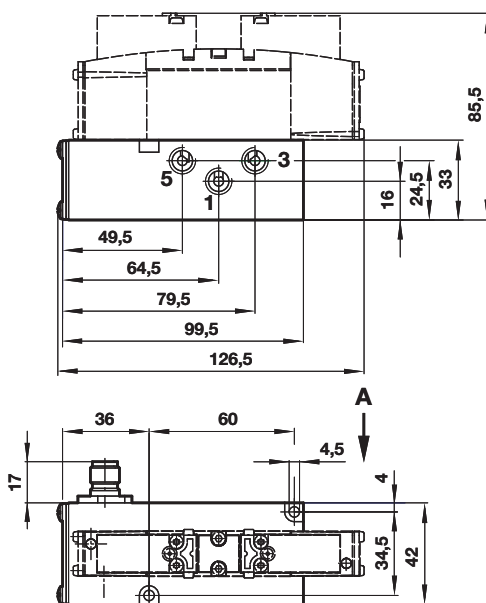
Dimensions in mm
Projection/First angle



Wiring information

Wire colour	Function
Green	Earth
Yellow	Signal for solenoid 12
Black	Common for solenoid 12 and 14
Red	Signal for solenoid 14

Connector type: M12



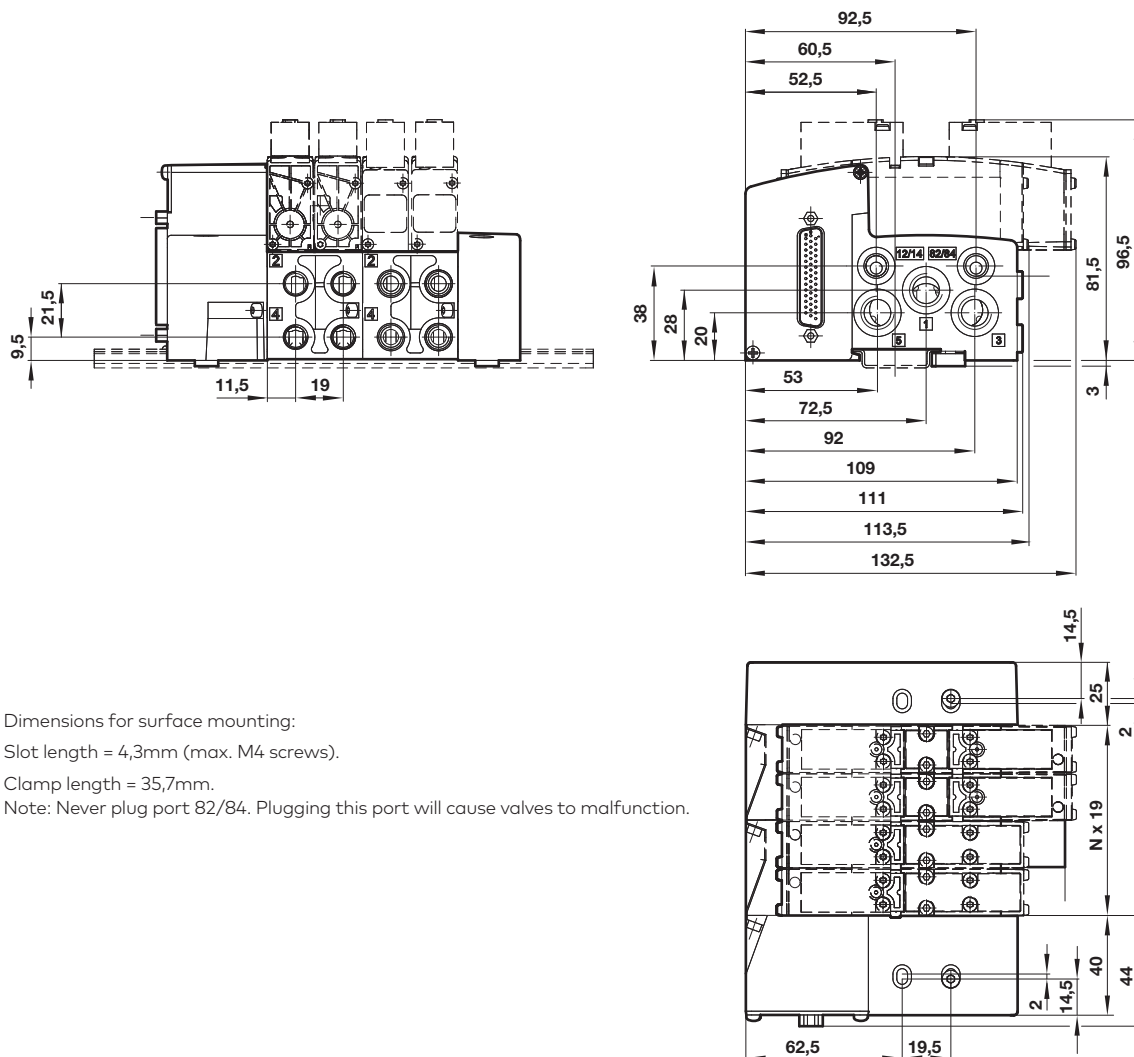
Pin assignment (conforming to DIN ISO 20401)

Male	Pin no.	Function
	1	Not used
	2	Signal for solenoid 12
	3	Common for solenoid 12 and 14
	4	Signal for solenoid 14

Valve island dimensions - Multipole and Fieldbus

See page 25 and 26 for sub-base and end plate kit ordering information

Dimensions in mm
Projection/First angle



Dimensions for surface mounting:

Slot length = 4,3mm (max. M4 screws).

Clamp length = 35,7mm.

Note: Never plug port 82/84. Plugging this port will cause valves to malfunction.

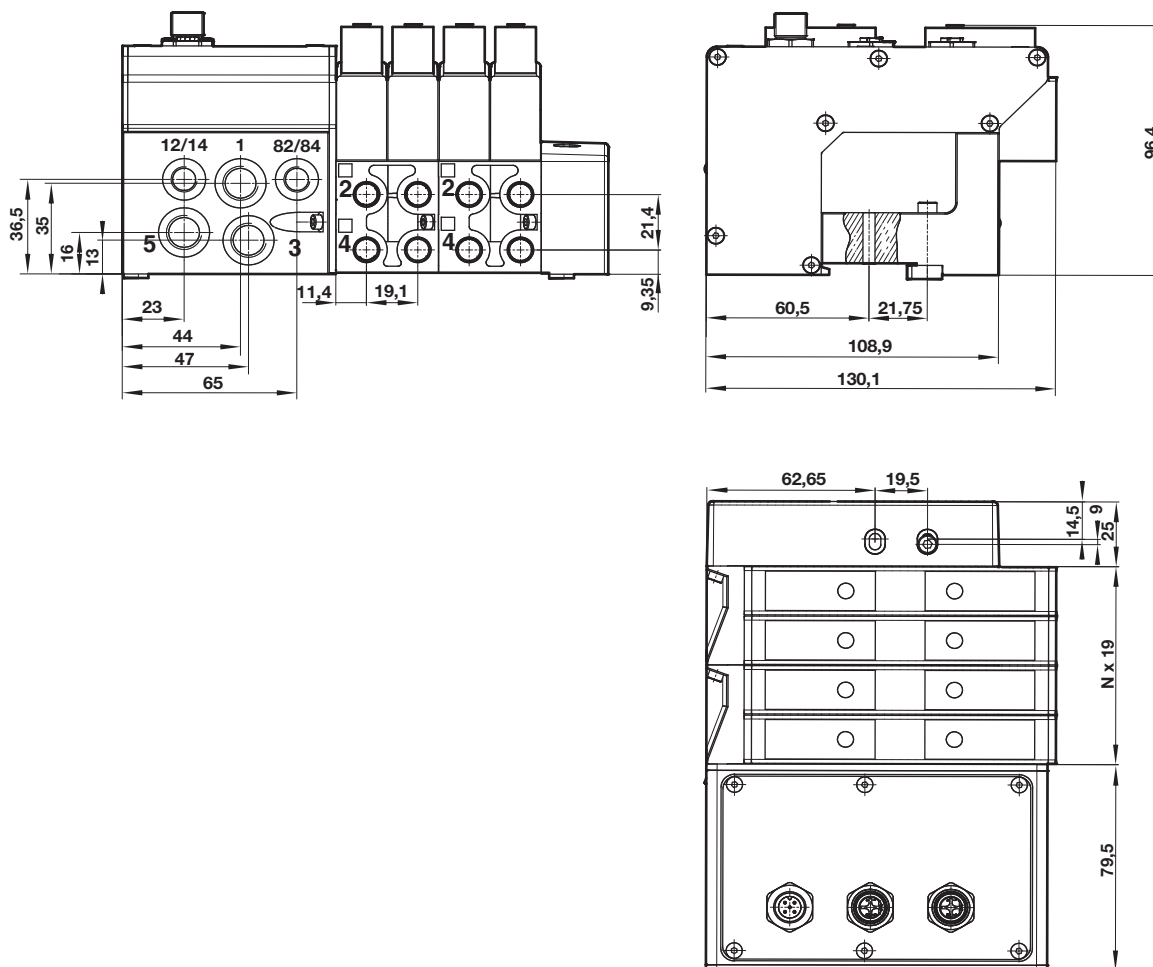
N Number of stations

Electrical connection	Min. no. of valve stations	Max. no. of valve stations	For details see page
Multipole	2	20	17
Fieldbus protocols	4	16	20

Valve island dimensions - Industrial Ethernet

See page 29 for sub-base and end plate kit ordering information

Dimensions in mm
Projection/First angle



N Number of stations

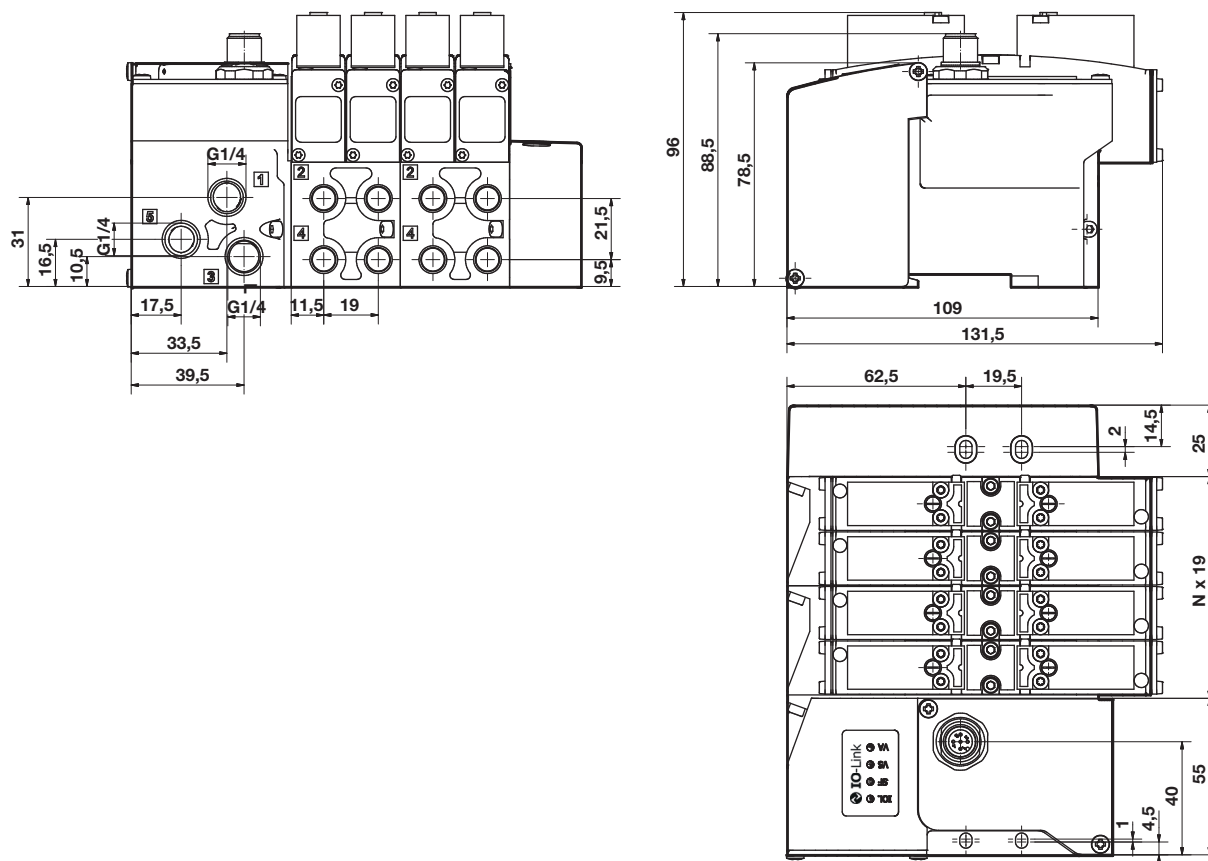
Electrical connection	Min. no. of valve stations	Max. no. of valve stations	For details see page
Industrial Ethernet protocols	4	20	21 and 22

Valve island dimensions - IO-Link

See page 29 for sub-base and end plate kit ordering information

Abmessungen in mm

Projection / First angle

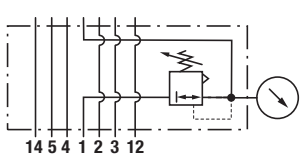
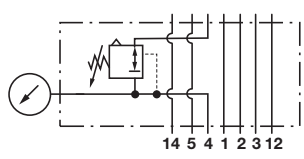
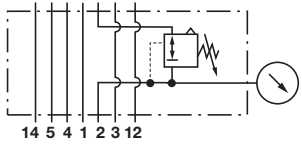
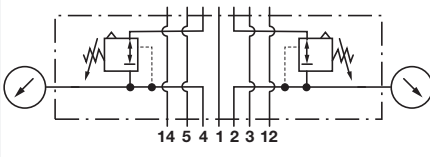


N Number of stations

Electrical connection	Min. no. of valve stations	Max. no. of valve stations	For details see page
IO-Link	2	20	23

Sandwich plates

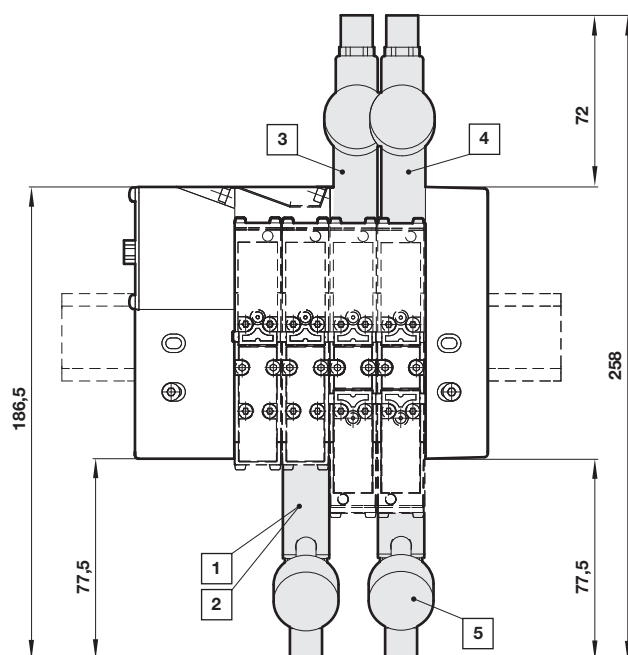
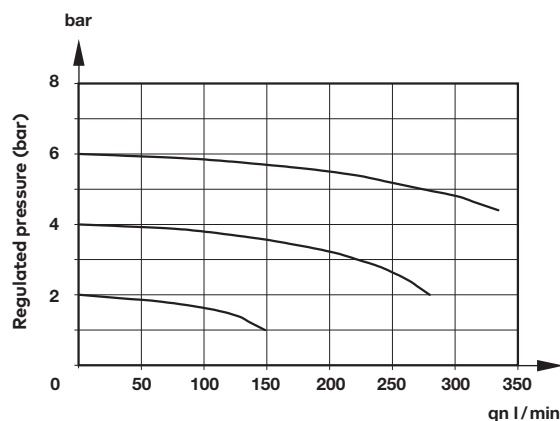
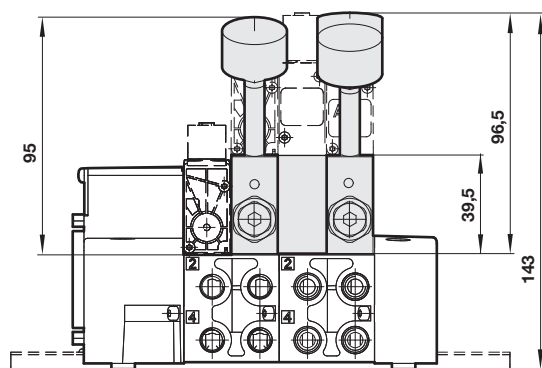
Pressure regulator sandwich plates

Symbol	Model	Description	Symbol	Model	Description
	VS1872400-KF10	Regulation of port 1, regulator on side 12		VS1872400-KF30	Regulation of port 4, regulator on side 14
	VS1872400-KF20	Regulation of port 2, regulator on side 12		VS1872400-KF40	Regulation of ports 2+4

Dimensions in mm
Projection/First angle



Flow characteristics for pressure regulator plates

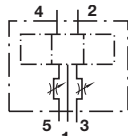


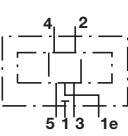
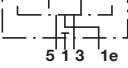
- 1 Regulation of port 1
- 2 Regulation of port 2
- 3 Regulation of port 4
- 4 Regulation of port 2+4
- 5 Gauge

Spare part number for gauge: V70534-500

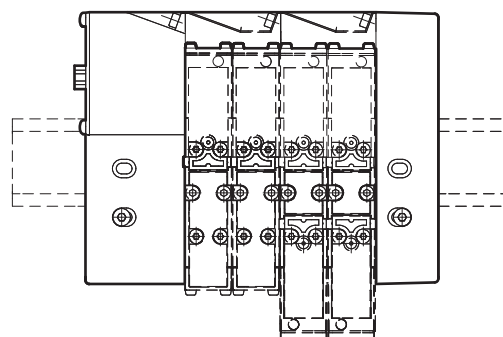
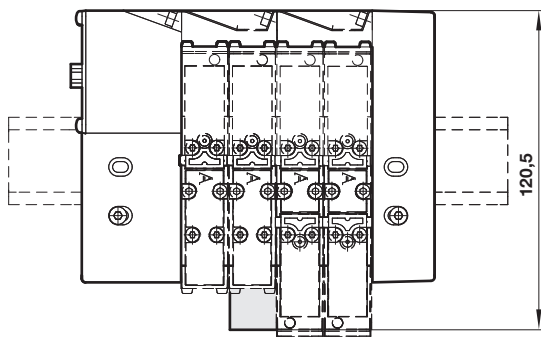
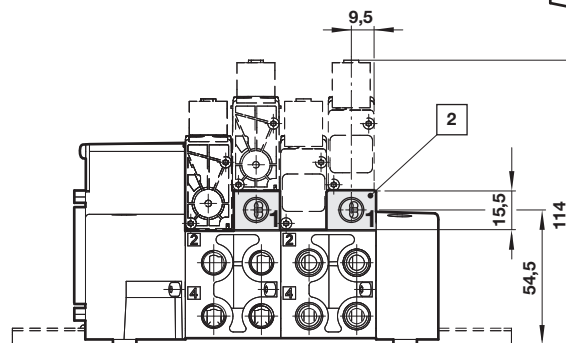
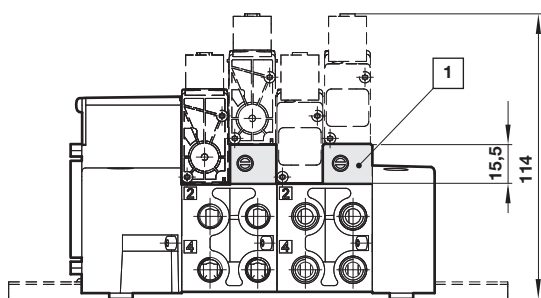
Sandwich plates

Flow regulator & additional pressure

Symbol	Model	Description
	VS1872401-KF00	Flow regulator supplied with gasket, dual regulation of exhaust ports 3 and 5

Symbol	Model	Description
	VS1872428-KF00	Sandwich plate with additional pressure port 1 (G1/8), supplied with gasket
	VS1872429-KF00	Sandwich plate with additional pressure port 1 (NPTF 1/8), supplied with gasket

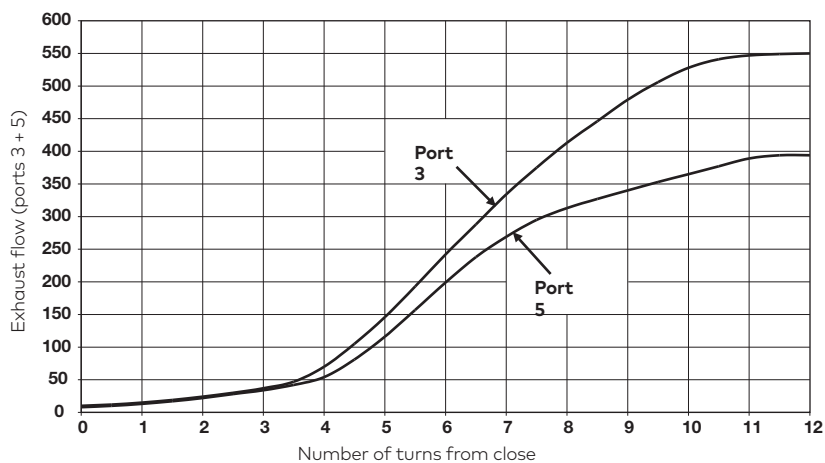
Dimensions in mm
Projection/First angle



- 1 Flow regulator plate
- 2 Sandwich plate with additional pressure port 1

Flow characteristics

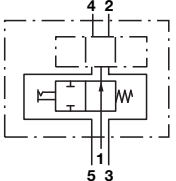
Dual regulation of exhaust ports 3 and 5



Flow: Port 1>2 and 1>4: remains unchanged.

Flow measured at 6 bar inlet, pressure drop 1 bar

Sandwich plates–Single valve shut-off plate

Symbol	Model	Description
	VS1872403-KF00	Single valve shut-off plate supplied with gasket

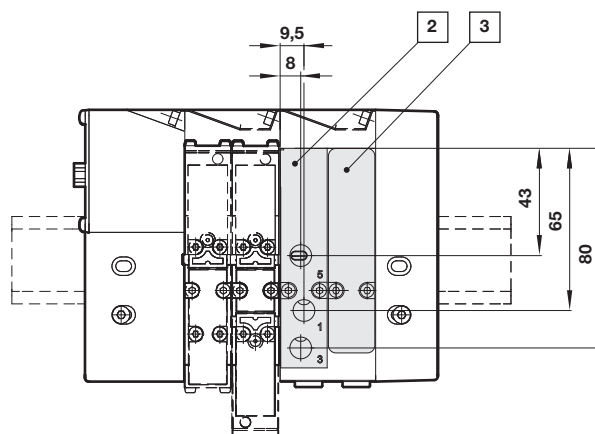
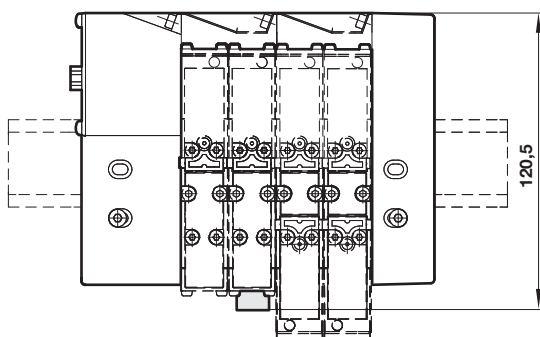
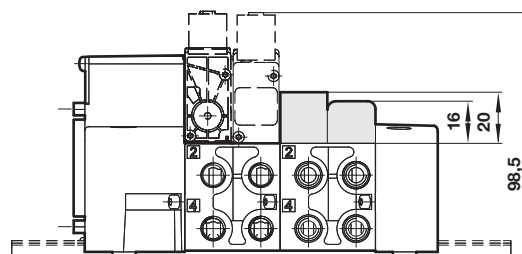
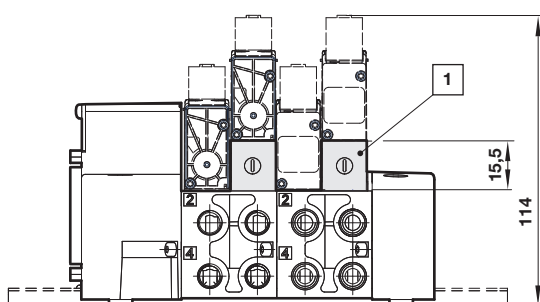
Allows individual exchange of valve while valve island is pressurised by port 1 - enabling unbroken production in a continuously operating process.
Flow restricted to max. 240 l/min.

Base accessories

Model	Description
VS1872402-AF00	Intermediate supply/exhaust module, port size G1/8 *9)
VS1872402-PF00	Intermediate supply/exhaust module, port size NPTF 1/8 *9)
VS1872404-KF00	Blanking plate for blocking of unused stations (supplied with gasket)

*9) for use see page 16

Dimensions in mm
Projection/First angle



- 1 Single valve shut-off plate
- 2 Intermediate supply/exhaust module
- 3 Blanking plate

Multi pressure configurations

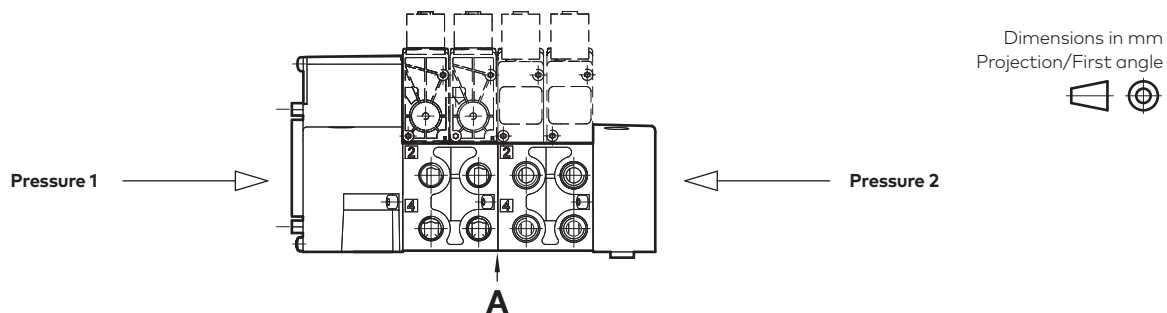
A

Blanking disc	Type
VS1872405-KF00	Suitable for ports 1, 3 and/or 5

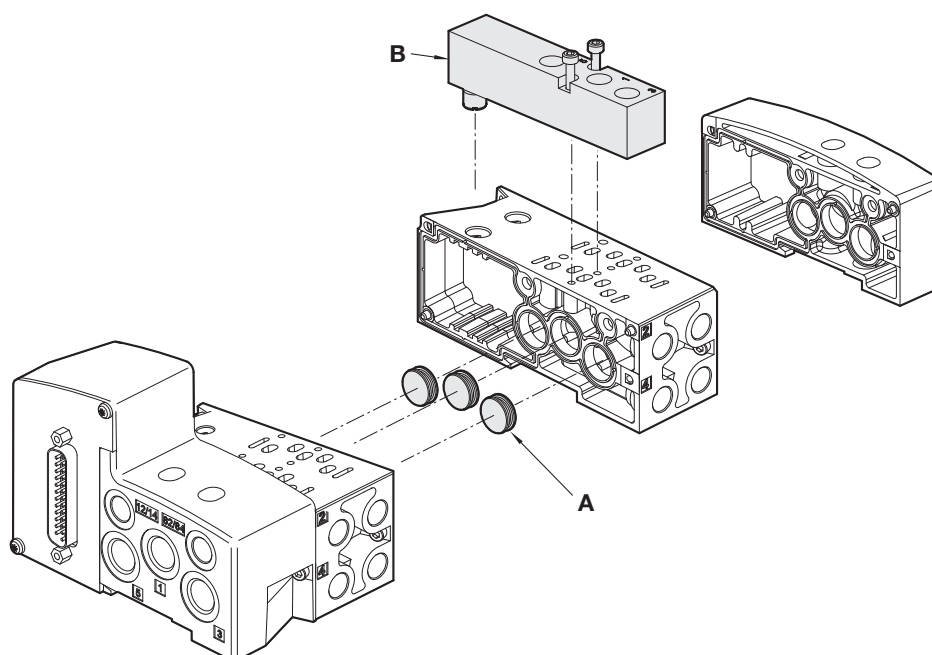
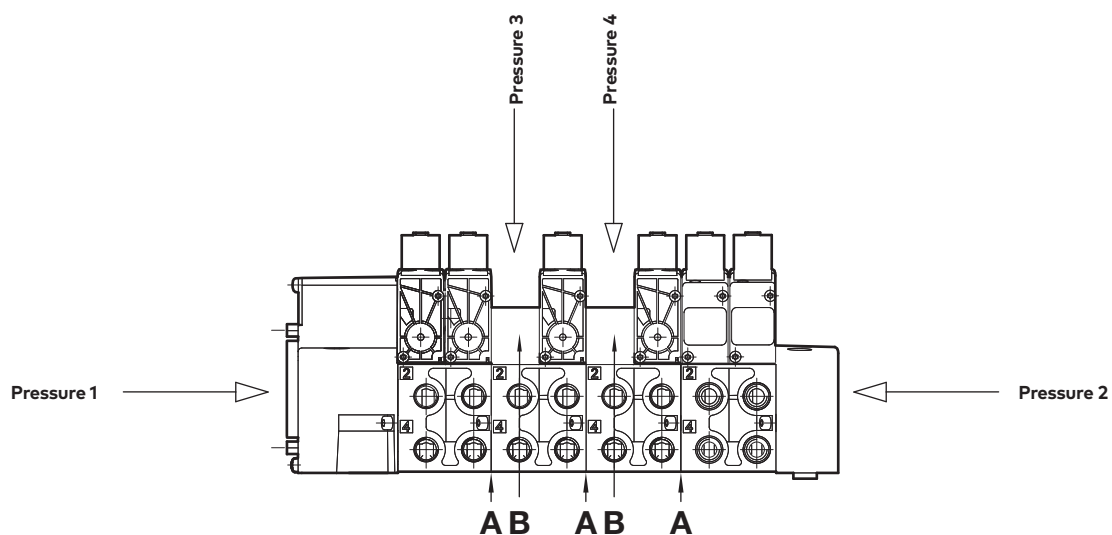
B

Intermediate supply/exhaust module	Type
VS1872402-AF00	G1/8
VS1872402-PF00	NPTF 1/8

Dual pressure



Multi pressure

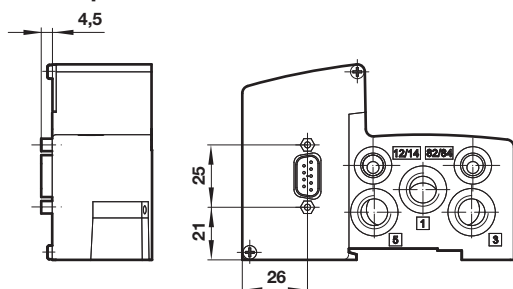


Multipole options

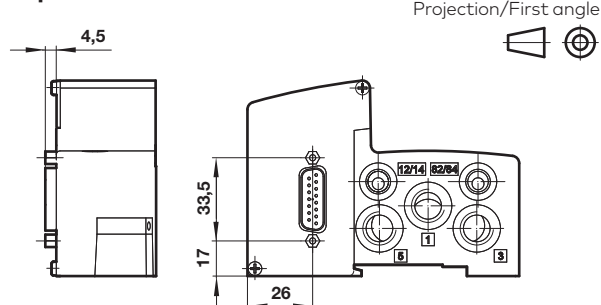
Connector type	Voltage	No. of stations	Max. no. solenoids
D-Sub 9-pin	24 V d.c.	02/03/04	8
D-Sub 15-pin	24 V d.c.	02/03/04/05/06/07	14
D-Sub 25-pin	24 V d.c.	02/03/04/05/06/07/08/09/10/11/12	24
D-Sub 44-pin	24 V d.c.	08/09/10/11/12/13/14/15/16/17/18/19/20	40
M23 19-pin	115 V a.c., 24 V d.c.	02/03/04/05/06/07/08	16
NPTF1 Conduit entry with terminals	115 V a.c., 24 V d.c.	02/03/04/05/06/07/08/09/10/11/12	24

For valve islands with 17 ... 20 valve stations, please contact our customer service. For details of single parts see pages 26 to 29.

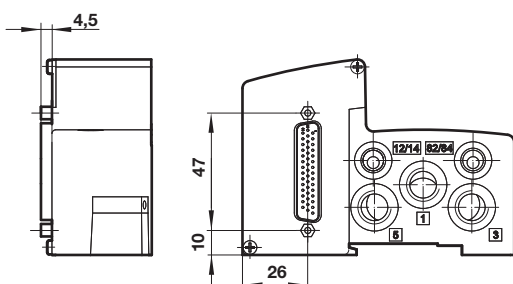
D-Sub 9-pin



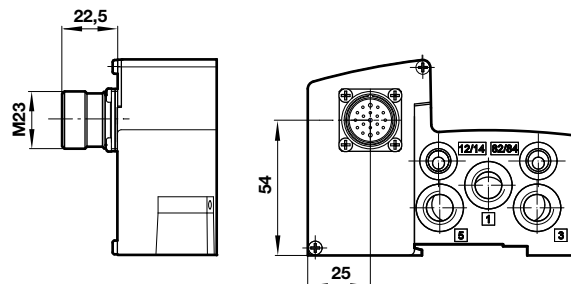
D-Sub 15-pin



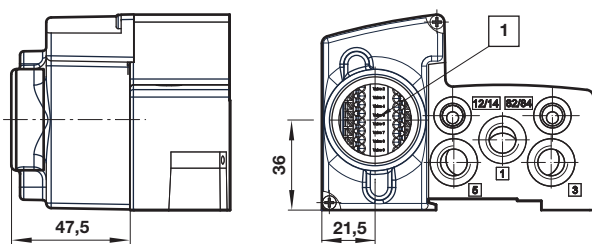
D-Sub 25- / 44 -pin



M23 19-pin



NPTF1 Conduit entry with terminals



1 Maximum wire size AWG18

Multipole accessories

Cable length	D-Sub connector 9-pin IP65	D-Sub connector 15-pin IP65	D-Sub connector 25-pin IP65	D-Sub connector 44-pin IP65	M23 connector 19-pin IP65
					
1 m	VS2672910-KG00	VS2672915-KG00	V11569-E01	V11570-E01	VS2672943-KG00
3 m	VS2672911-KG00	VS2672916-KG00	V11569-E03	V11570-E03	VS2672944-KG00
5 m	VS2672912-KG00	VS2672917-KG00	V11569-E05	V11570-E05	VS2672945-KG00

For cable length longer than 5 m please contact customer service.

D-Sub connector 9-pin *11)

Pin no.	Wire colour	Socket	Pilot	Station
1	White	Solenoid 1-a	14	1
2	Brown	Solenoid 2-a	14	2
3	Green	Solenoid 3-a	14	3
4	Yellow	Solenoid 4-a	14	4
5	Grey	Solenoid 1-b	12	1
6	Pink	Solenoid 2-b	12	2
7	Blue	Solenoid 3-b	12	3
8	Red	Solenoid 4-b	12	4
9	Black	Common	-	-

D-Sub connector 15-pin *11)

Pin no.	Wire colour	Socket	Pilot	Station
1	White	Solenoid 1-a	14	1
2	Brown	Solenoid 2-a	14	2
3	Green	Solenoid 3-a	14	3
4	Yellow	Solenoid 4-a	14	4
5	Grey	Solenoid 5-a	14	5
6	Pink	Solenoid 6-a	14	6
7	Blue	Solenoid 7-a	14	7
8	Red	Solenoid 1-b	12	1
9	Black	Solenoid 2-b	12	2
10	Violet	Solenoid 3-b	12	3
11	Grey/Pink	Solenoid 4-b	12	4
12	Red/Blue	Solenoid 5-b	12	5
13	White/Green	Solenoid 6-b	12	6
14	Brown/Green	Solenoid 7-b	12	7
15	White/Yellow	Common	-	-

*11) According to IEC60757

D-Sub connector 25-pin *11)

Pin no.	Wire colour	Socket	Pilot	Station
1	White	Solenoid 1-a	14	1
2	Brown	Solenoid 2-a	14	2
3	Green	Solenoid 3-a	14	3
4	Yellow	Solenoid 4-a	14	4
5	Grey	Solenoid 5-a	14	5
6	Pink	Solenoid 6-a	14	6
7	Blue	Solenoid 7-a	14	7
8	Red	Solenoid 8-a	14	8
9	Black	Solenoid 9-a	14	9
10	Violet	Solenoid 10-a	14	10
11	Grey/Pink	Solenoid 11-a	14	11
12	Red/Blue	Solenoid 12-a	14	12
13	White/Green	Common	-	-
14	Brown/Green	Solenoid 1-b	12	1
15	White/Yellow	Solenoid 2-b	12	2
16	Yellow/Brown	Solenoid 3-b	12	3
17	White/Grey	Solenoid 4-b	12	4
18	Grey/Brown	Solenoid 5-b	12	5
19	White/Pink	Solenoid 6-b	12	6
20	Pink/Brown	Solenoid 7-b	12	7
21	White/Blue	Solenoid 8-b	12	8
22	Brown/Blue	Solenoid 9-b	12	9
23	White/Red	Solenoid 10-b	12	10
24	Brown/Red	Solenoid 11-b	12	11
25	White/Black	Solenoid 12-b	12	12

D-Sub connector 44-pin *11)

Pin no.	Wire colour	Socket	Pilot	Station
1	White	Solenoid 1-a	14	1
2	Brown	Solenoid 2-a	14	2
3	Green	Solenoid 3-a	14	3
4	Yellow	Solenoid 4-a	14	4
5	Grey	Solenoid 5-a	14	5
6	Pink	Solenoid 6-a	14	6
7	Blue	Solenoid 7-a	14	7
8	Red	Solenoid 8-a	14	8
9	Black	Solenoid 9-a	14	9
10	Violet	Solenoid 10-a	14	10
11	Grey/Pink	Solenoid 11-a	14	11
12	Red/Blue	Solenoid 12-a	14	12
13	White/Green	Solenoid 13-a	14	13
14	Brown/Green	Solenoid 14-a	14	14
15	White/Yellow	Solenoid 15-a	14	15
16	Yellow/Brown	Solenoid 1-b	12	1
17	White/Grey	Solenoid 2-b	12	2
18	Grey/Brown	Solenoid 3-b	12	3
19	White/Pink	Solenoid 4-b	12	4
20	Pink/Brown	Solenoid 5-b	12	5
21	White/Blue	Solenoid 6-b	12	6
22	Brown/Blue	Solenoid 7-b	12	7
23	White/Red	Solenoid 8-b	12	8
24	Brown/Red	Solenoid 9-b	12	9
25	White/Black	Solenoid 10-b	12	10
26	Brown/Black	Solenoid 11-b	12	11
27	Grey/Green	Solenoid 12-b	12	12
28	Yellow/Grey	Solenoid 13-b	12	13
29	Pink/Green	Solenoid 14-b	12	14
30	Yellow/Pink	Solenoid 15-b	12	15
31	Green/Blue	Solenoid 16-a	14	16
32	Yellow/Blue	Solenoid 16-b	12	16
33	-	Not used	-	-
34	-	Not used	-	-
35	-	Not used	-	-
36	-	Not used	-	-
37	-	Not used	-	-
38	-	Not used	-	-
39	-	Not used	-	-
40	-	Not used	-	-
41	-	Not used	-	-
42	-	Not used	-	-
43	Blue/Black *12)	Common	-	-
44	Red/Black *12)	Common	-	-

*11) According to IEC60757

*12) The IMI Norgren D-Sub 44-pin cables (see part numbers on page 18) do not have 44 wires, but only 34 wires. Therefore, the wires associated with pins 1 through 32 are according to IEC60757, wires 43 and 44 differ from the standard and are coloured in green/black and yellow/black.

M23 connector 19-pin

Pin no.	Wire colour	Socket	Pilot	Station
1	White	Solenoid 8-a	14	8
2	Green/Brown	Solenoid 6-a	14	6
3	Green	Solenoid 4-a	14	4
4	Yellow	Solenoid 2-b	12	2
5	Grey	Solenoid 2-a	14	2
6	Blue(thick)	Common	-	-
7	White/Grey	Solenoid 1-b	12	1
8	Red	Solenoid 3-b	12	3
9	Black	Solenoid 5-b	12	5
10	Violet	Solenoid 7-b	12	7
11	Grey/Pink	Solenoid 7-a	14	7
12	Yellow/Green	Earth	-	-
13	White/Green	Solenoid 6-b	12	6
14	Brown/Green	Solenoid 4-b	12	4
15	White/Yellow	Solenoid 1-a	14	1
16	Yellow/Brown	Solenoid 3-a	14	3
17	Pink	Solenoid 5-a	14	5
18	Red/Blue	Solenoid 8-b	12	8
19	Brown(thick)	Not used	-	-

NPTF1 Conduit entry with terminals *13)

Pin no.	Socket	Pilot	Station
C1	Solenoid 1-a	14	1
C2	Solenoid 2-a	14	2
C3	Solenoid 3-a	14	3
C4	Solenoid 4-a	14	4
C5	Solenoid 5-a	14	5
C6	Solenoid 6-a	14	6
C7	Solenoid 7-a	14	7
C8	Solenoid 8-a	14	8
C9	Solenoid 9-a	14	9
C10	Solenoid 10-a	14	10
C11	Solenoid 11-a	14	11
C12	Solenoid 12-a	14	12
C13	Solenoid 1-b	12	1
C14	Solenoid 2-b	12	2
C15	Solenoid 3-b	12	3
C16	Solenoid 4-b	12	4
C17	Solenoid 5-b	12	5
C18	Solenoid 6-b	12	6
C19	Solenoid 7-b	12	7
C20	Solenoid 8-b	12	8
C21	Solenoid 9-b	12	9
C22	Solenoid 10-b	12	10
C23	Solenoid 11-b	12	11
C24	Solenoid 12-b	12	12
C25	Common	-	-
C26	Common	-	-
C27	Earth	-	-
C28	Earth	-	-

*13) Max.wire size AWG18

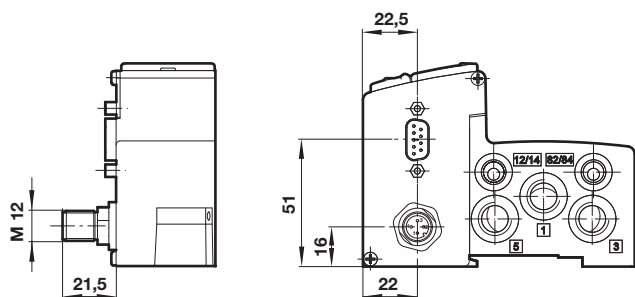
Fieldbus, IO-Link and Industrial Ethernet options: Overview

Protocol	Communications Connector	Power connector	No. of stations	Max. no. solenoids
PROFIBUS DP	1 x D-Sub; 9-pin	M12; 4-pin	04/05/06/07/08/09/10/11/12/13/14/15/16	32
	2 x M12; 5-pin	M12; 4-pin	04/05/06/07/08/09/10/11/12/13/14/15/16	32
	2 x M12; 5-pin	7/8; 5-pin	04/05/06/07/08/09/10/11/12/13/14/15/16	32
PROFINET IRT	2 x M12; 4-pin	M12; 5-pin	04/06/08/10/12/14/16/18/20	40
DeviceNet	1 x M12; 5-pin	M12; 4-pin	04/05/06/07/08/09/10/11/12/13/14/15/16	32
EtherNet/IP	2 x M12; 4-pin	M12; 5-pin	04/06/08/10/12/14/16/18/20	40
CANopen	1 x M12; 5-pin	M12; 4-pin	04/05/06/07/08/09/10/11/12/13/14/15/16	32
IO-Link	1 x M12; 5-pin	over comm. connector	02/04/06/08/10/12/14/16/18/20	40

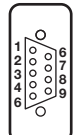
For parts and assembly instructions of Fieldbus and Industrial Ethernet components, consult our technical service.

Fieldbus protocol: PROFIBUS DP

Connector: 1 x D-Sub 9-pin / 1 x M12 4-pin



Bus connector: D-Sub 9-pin

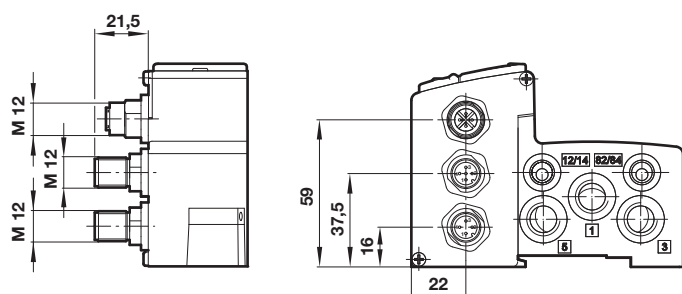
Female Bus in/out	Pin no.	Function
	1	Shield
	2	N/C
	3	B-line (red) RxD / TxD-P
	4	N/C
	5	DGND (OVI) isolated
	6	VP (5V) isolated
	7	N/C
	8	A-line (green) RxD / TxD-N
	9	N/C

Power connector: M12 4-pin A-coded

Male	Pin no.	Function	Tolerance	Max. current
	1	24 VB logic circuit supply	±25%	300 mA
	2	24 VA valves	±10%	*14)
	3	0 V	–	*15)
	4	Earth	–	–

Fieldbus protocol: PROFIBUS DP

Connector: 2 x M12 5-pin / 1 x M12 4-pin



Bus connector: M12 5-pin B-coded

Male Bus in	Female Bus out	Pin no.	Function
		1	5 V Opto isolator
		2	A-line (green)
		3	0 V Opto isolated
		4	B-line (red)
		5	Shield
		Threaded joint	Shield

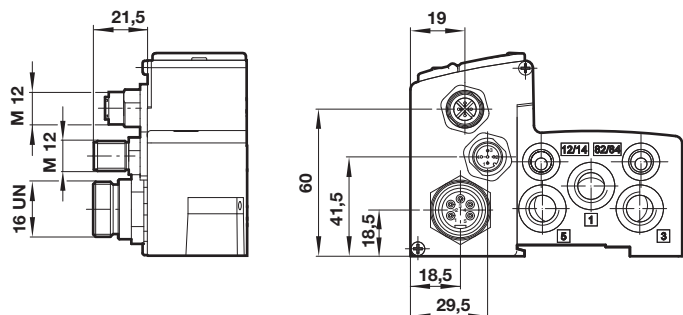
Power connector: M12 4-pin A-coded

Male	Pin no.	Function	Tolerance	Max. current
	1	24 VB logic circuit supply	±25%	300 mA
	2	24 VA valves	±10%	*14)
	3	0 V	–	*15)
	4	Earth	–	–

*14) $I_{max} = 10 \text{ mA} + n \cdot 60 \text{ mA}$
n = number of energized solenoids

*15) $I_{max} = I_{VA} + I_{VB}$

Fieldbus protocol: PROFIBUS DP
Connector: 2 x M12 5-pin / 1 x 7/8 5-pin



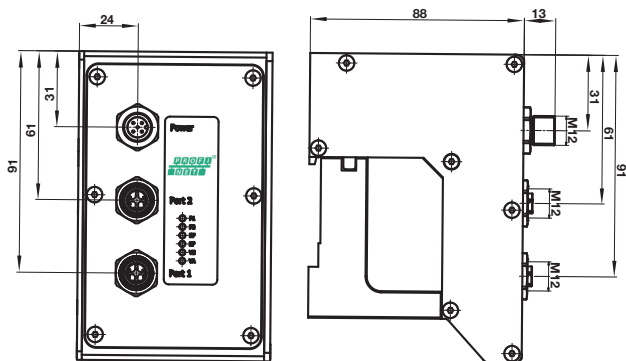
Bus connector: M12 5-pin B-coded

Male Bus in	Female Bus out	Pin no.	Function
		1	SVI isolated
		2	A-line (green)
		3	OVI isolated
		4	B-line (red)
		5	Shield
		Threaded joint	Shield joint

Power connector: 7/8 5-pin

Male	Pin no.	Function	Tolerance	Max. current
	1	-	-	-
	2	0 V	-	*17)
	3	Earth	-	-
	4	24 VA valves	±10%	*16)
	5	24 VB logic circuit supply	±25%	300 mA

Industrial Ethernet protocol: PROFINET IRT
Connector: 2 x M12 4-pin / 1 x M12 5-pin



Bus connector: M12 4-pin D-coded

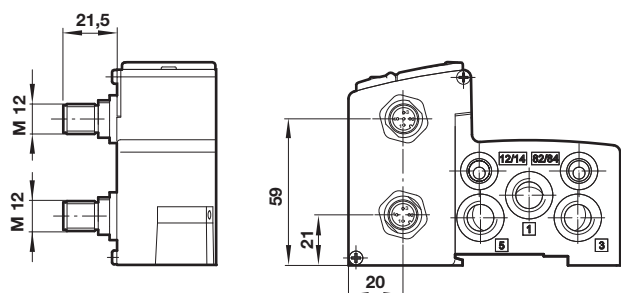
Female	Pin no.	Function
	1	Transmission data + (TD +)
	2	Receive data + (RD+)
	3	Transmission data - (TD-)
	4	Receive data - (RD-)
	Housing	FE (functional earth)

Power connector: M12 5-pin A-coded

Male	Pin no.	Function	Tolerance	Max. current
	1	L1 (VB+) 24 V electronics power supply	30%	max. 250 mA
	2	N2 (VA-) 0V valves power supply	-	-
	3	N1 (VB-) 0V electronics power supply	-	-
	4	L2 (VA+) 24 V valves power supply	10%	max. 25 mA + 70 mA x n
	5	FE (functional earth)	-	-

(n = number of switched valves)

Fieldbus protocol: DeviceNet
Connector: 1 x M12 5-pin / 1 x M12 4-pin



Bus connector: M12 5-pin A-coded

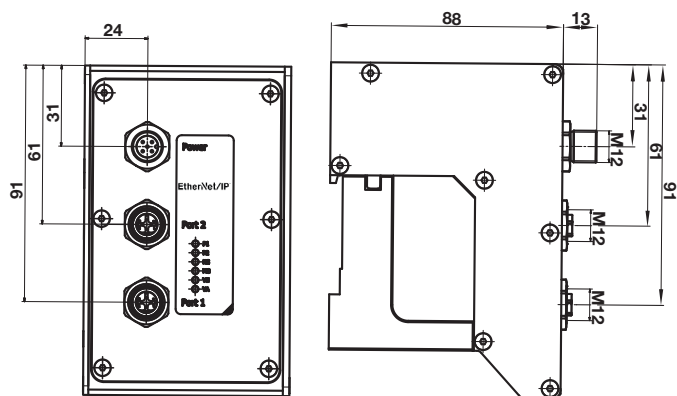
Male Bus in/out	Pin no.	Function	Tolerance	Max. current
	1	Drain	-	-
	2	V+ 24 V *22)	±25%	200mA
	3	V- 0 V *22)	-	-
	4	CAN_H	-	-
	5	CAN_L	-	-

Power connector: M12 4-pin A-coded

Male	Pin no.	Function	Tolerance	Max. current
	1	-	-	-
	2	24 VA valves	±10%	*20)
	3	0 V	-	*21)
	4	Earth	-	-

Industrial Ethernet protocol: EtherNet/IP

Connector: 2 x M12 4-pin / 1 x M12 5-pin

Bus connector: M12 4-pin D-coded

Female	Pin no.	Function
	1	Transmission data + (TD +)
	2	Receive data + (RD+)
	3	Transmission data - (TD-)
	4	Receive data - (RD-)
	Housing	FE (functional earth)

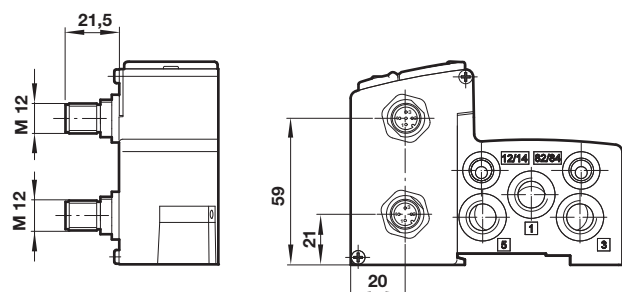
Power connector: M12 5-pin A-coded

Male	Pin no.	Function	Tolerance	Max. current
	1	L1 (VB+) 24 V electronics power supply	30%	max. 250 mA
	2	N2 (VA-) 0V valves power supply	-	-
	3	N1 (VB-) 0V electronics power supply	-	-
	4	L2 (VA+) 24 V valves power supply	10%	max. 25 mA + 70 mA x n
	5	FE (functional earth)		

(n = number of switched valves)

Fieldbus protocol: CANopen

Connector: 1 x M12 5-pin / 1 x M12 4-pin

Bus connector: M12 5-pin A-coded

Male Bus in/out	Pin no.	Function	Tolerance	Max. current
	1	Drain	-	-
	2	V+ 24 V *22)	±25%	200mA
	3	V- 0 V *22)	-	-
	4	CAN_H	-	-
	5	CAN_L	-	-

Power connector: M12 4-pin A-coded

Male	Pin no.	Function	Tolerance	Max. current
	1	-	-	-
	2	24 VA valves	±10%	*20)
	3	0 V	-	*21)
	4	Earth	-	-

*20) $I_{max} = 10 \text{ mA} + n \cdot 60 \text{ mA}$

*21) $I_{max} = I_{VA} + I_{VB}$

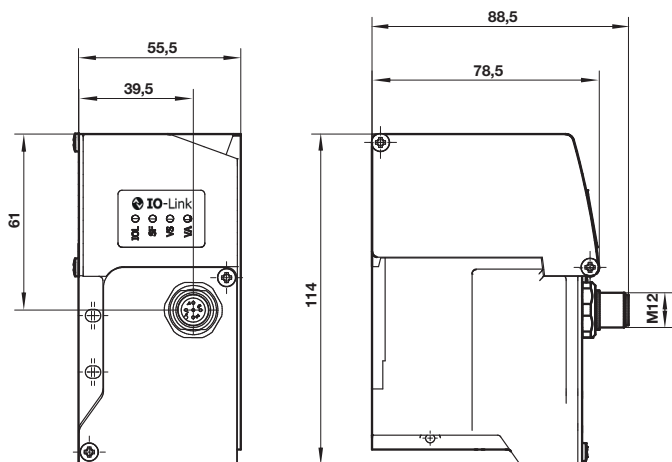
*22) Must be galvanic isolated to 24 VA valves

n = number of energized solenoids

IO-Link (Port Class B): Connector: 1 x M12 5-pin



Connector: M12 5-pin A-coded



Male	Pin no.	Function	Tolerance	Max. current
	1	L+ (VS+) 24V electronics power supply	30%	max. 250 mA
	2	2L+ (VA+) 24V valves power supply	10%	max 25 mA + 70 mA x n
	3	L- (VS-) 0V electronics power supply		
	4	C/Q IO-Link communication		
	5	2M (VA-) 0V valves power supply		

n = number of energized solenoids

Fieldbus accessories

Fieldbus power connector	Description	Connection	Cable length	Protection class	Model
	PROFIBUS DP (4-pin, female) DeviceNet (4-pin, female) CANopen (4-pin, female)	M12	Wireable	IP65	V11588-E01
	PROFIBUS DP (5-pin, female)	7/8	Wireable	IP65	VS2672907-KG00
Communication cable and connector					
	DeviceNet (5-pin, female) CANopen (5-pin, female)	M12	Wireable	IP65	V11589-E01
	PROFIBUS DP, reverse keyway (5-pin, female)	M12	Wireable	IP65	V11590-E01
	PROFIBUS DP, reverse keyway (5-pin, male)	M12	Wireable	IP65	V11591-E01
	PROFIBUS DP connector (9-pin, male) with terminating resistor	D-Sub	Wireable	IP40	V11654-E01
	PROFIBUS DP terminating resistor (male)	M12	-	IP65	V11592-E01

Industrial Ethernet accessories

Industrial Ethernet power connector	Description	Connection	Cable length	Protection class	Model
	Industrial Ethernet power connector (5-pin, female)	M12	Wireable	IP65	V11589-E01

Industrial Ethernet - Cable and Connectors

Bus cable: 4-pin D-coded M12 - M12



Model	Cable length (m)
NC-124MS-1244SGA	0,5
NC-124MS-1244SG2	2,0
NC-124MS-1244SG5	5,0

Bus cable: 4-pin D-coded M12 - flying lead



Model	Cable length (m)
NC-124MS-00000G2	2,0
NC-124MS-00000G5	5,0

Bus connector RJ45 Wireable



NC-RJ450-0000000

Power cable: 5-pin A-coded M12 - flying lead



Model	Cable length (m)
NC-125FS-00000-5	5,0

IO-Link - Cables

Cable 5-pin A-code M12 - M12



Model	Cable length (m)
NC-125FS-125MS-A	0,6
NC-125FS-125MS-1	1,0
NC-125FS-125MS-2	2,0
NC-125FS-125MS-5	5,0

Cable 5-pin A-code M12 - flying lead



Model	Cable length (m)
NC-125FS-00000-5	5,0

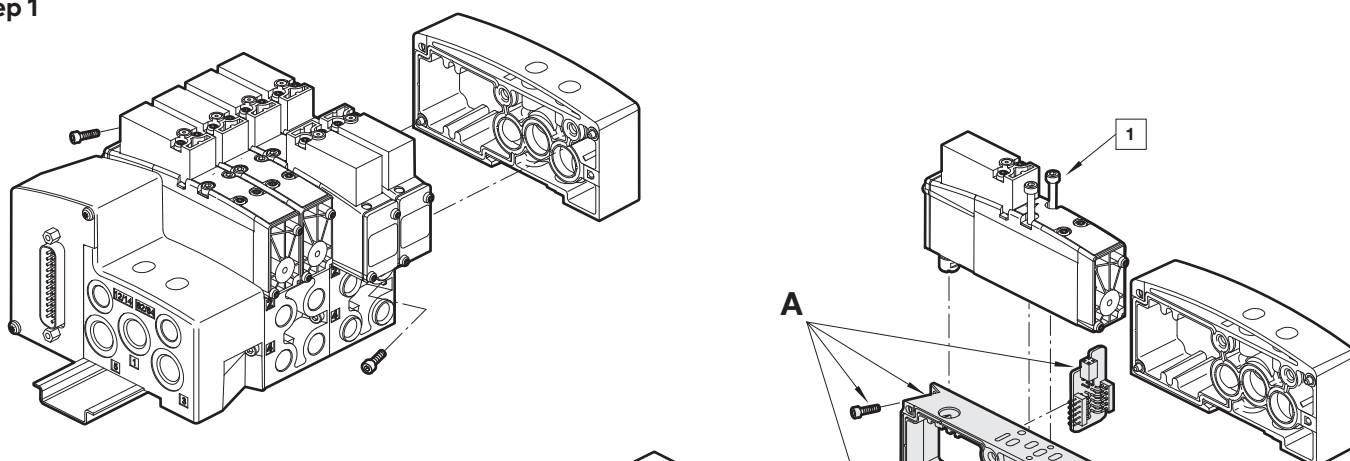
Multipole and Fieldbus component parts

A - Single add-on stations including PCB, sub-base, gasket and screws

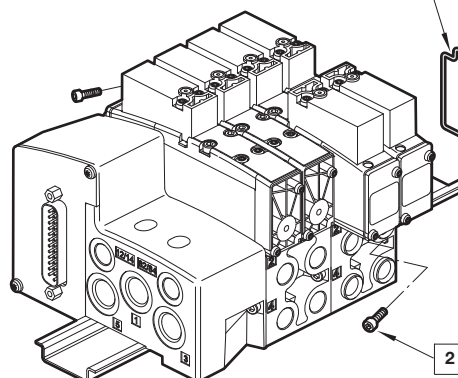
Ports 2 & 4	Description	Model
G1/8	Add-on station for D-Sub connectors and Fieldbus	VS1872004-AFF0
NPTF 1/8	Add-on station for D-Sub connectors and Fieldbus	VS1872004-PFF0
PIF6 mm	Add-on station for D-Sub connectors and Fieldbus	VS1872004-6FF0
PIF8 mm	Add-on station for D-Sub connectors and Fieldbus	VS1872004-8FF0
PIF1/4	Add-on station for D-Sub connectors and Fieldbus	VS1872004-1FF0
G1/8	Add-on station for Conduit entry and M23 connector	VS1872005-AFF0
NPTF 1/8	Add-on station for Conduit entry and M23 connector	VS1872005-PFF0
PIF6 mm	Add-on station for Conduit entry and M23 connector	VS1872005-6FF0
PIF8 mm	Add-on station for Conduit entry and M23 connector	VS1872005-8FF0
PIF1/4	Add-on station for Conduit entry and M23 connector	VS1872005-1FF0

Valves and accessories to be ordered separately, see pages 2 ... 8

Step 1



Step 2



1 Torque = 0,8 ... 0,9 Nm
Screwdriver speed = max. 1100 r.p.m

2 Torque = 0,8 ... 0,9 Nm
Screwdriver speed = max. 1100 r.p.m

For detailed assembly instructions, please see maintenance & instruction booklet

Multipole and Fieldbus component parts

End plate kits, sub-bases (without PCB's) including screws and gaskets

A-End plate kit

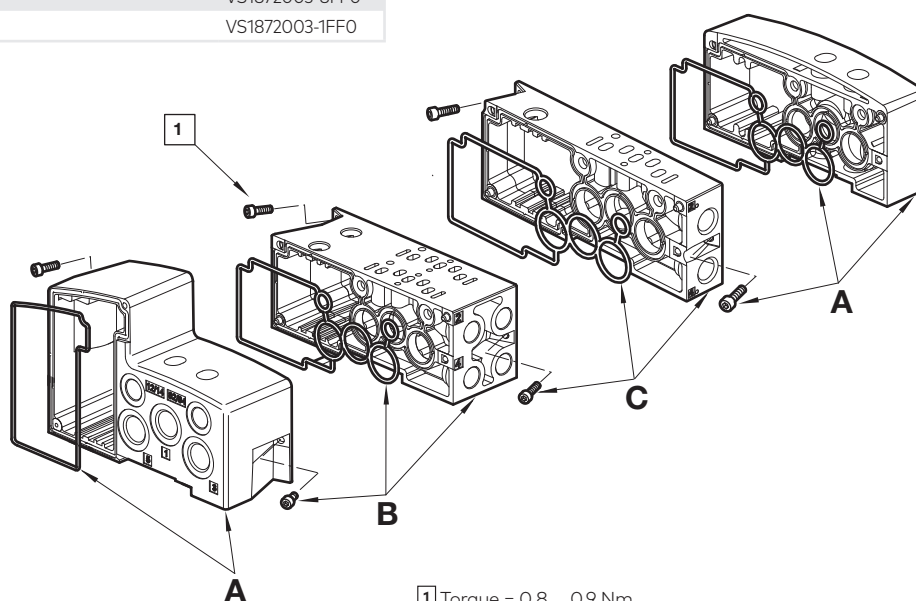
Description	Ports 1, 3 + 5	Ports 12/14 + 82/84	Model
End plate kit for Multipole	G1/4	G1/8	VS1872000-BFCO
End plate kit for Multipole	NPTF1/4	NPTF 1/8	VS1872000-RFCO
End plate kit for Fieldbus	G1/4	G1/8	VS1872001-BFCO
End plate kit for Fieldbus	NPTF1/4	NPTF 1/8	VS1872001-RFCO

B-Double station modular sub-base

Ports 2 + 4	Model
G1/8	VS1872002-AFFO
NPTF 1/8	VS1872002-PFFO
PIF6 mm	VS1872002-6FFO
PIF8 mm	VS1872002-8FFO
PIF1/4	VS1872002-1FFO

C-Single station modular sub-base

Ports 2 + 4	Model
G1/8	VS1872003-AFFO
NPTF 1/8	VS1872003-PFFO
PIF6 mm	VS1872003-6FFO
PIF8 mm	VS1872003-8FFO
PIF1/4	VS1872003-1FFO



1 Torque = 0,8 ... 0,9 Nm
Screwdriver speed = max. 1100 r.p.m

Note: Never plug port 82/84. Plugging this port will cause valves to malfunction.
For detailed assembly instructions, please see maintenance & instruction booklet.

Spare parts

Quantity per slice	Description	Model
2	Hexagon socket screw M3 x 10	77.31055
1	Gasket	94.01015
1	Connector-kit gasket on end plate	94.00816

Multipole component parts

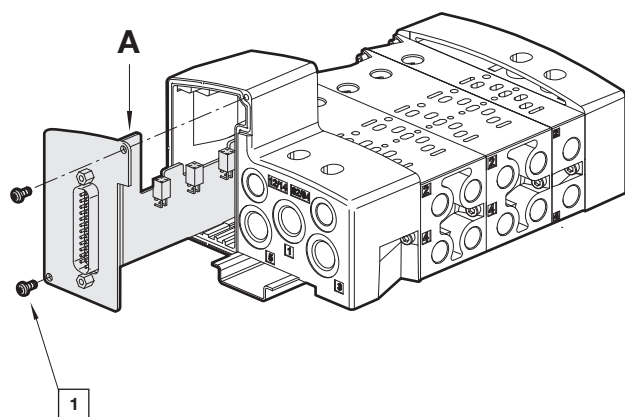
A-Output boards with D-Sub connectors

Connector type	Description	Expandable to max. x no. of stations	Voltage	Model
D-Sub 9-pin	Multipole PCB 2 stations	4	24 V d.c.	VS1872217-KF00
D-Sub 15-pin	Multipole PCB 2 stations	6	24 V d.c.	VS1872218-KF00
D-Sub 15-pin	Multipole PCB 4 stations	7	24 V d.c.	VS1872205-KF00
D-Sub 25-pin	Multipole PCB 2 stations	6	24 V d.c.	VS1872219-KF00
D-Sub 25-pin	Multipole PCB 4 stations	8	24 V d.c.	VS1872200-KF00
D-Sub 25-pin	Multipole PCB 6 stations	10	24 V d.c.	VS1872201-KF00
D-Sub 25-pin	Multipole PCB 8 stations	12	24 V d.c.	VS1872202-KF00
D-Sub 44-pin	Multipole PCB 8 stations	12	24 V d.c.	VS1872203-KF00
D-Sub 44-pin	Multipole PCB 10 stations	14	24 V d.c.	VS1872206-KF00
D-Sub 44-pin	Multipole PCB 12 stations	16	24 V d.c.	VS1872204-KF00
D-Sub 44-pin	Multipole PCB 16 stations	20	24 V d.c.	VS1872207-KF00

Valves and accessories to be ordered separately, see pages 2 ... 8

Expansion output boards for D-Sub connectors

Description	Voltage	Model
Multipole PCB 1 station	24 V d.c.	VS1872255-KF00
Multipole PCB 2 stations	24 V d.c.	VS1872213-KF00



- 1 Torque = 0,8 ... 0,9 Nm
Screwdriver speed = max. 1100 r.p.m

For detailed assembly instructions, please see maintenance & instruction booklet

Multipole and conduit entry component parts including screws and gaskets

A-End plate kit

Description	Voltage	Model
E-Connector-kit NPTF1 Conduit entry	115 V a.c., 24 V d.c.	VS2672742-KG00

Expansion output boards for conduit entry and M23 connector

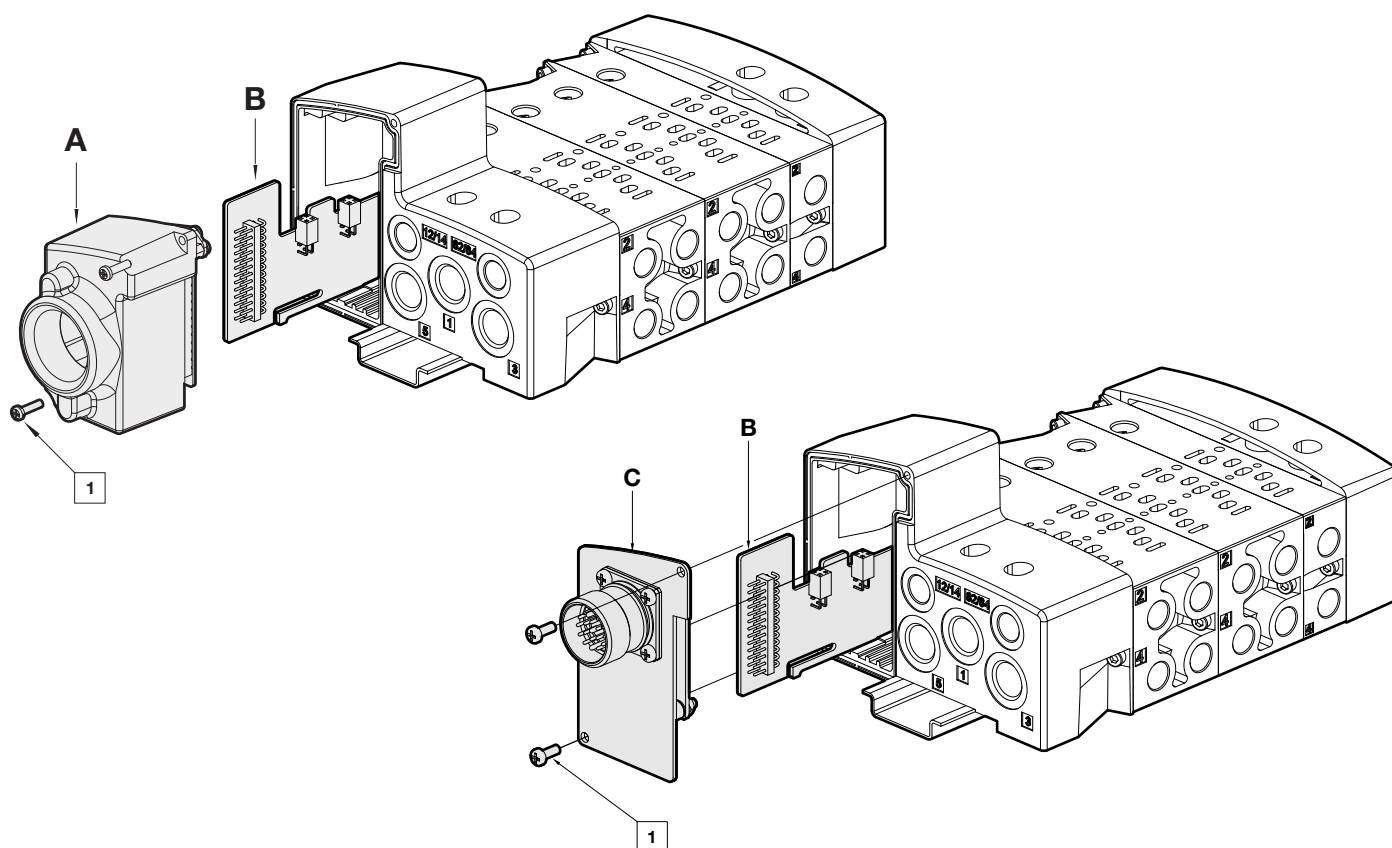
Description	Voltage	Model
Multipole PCB 1 station	115 V a.c., 24 V d.c.	VS1872256-KF00
Multipole PCB 2 stations	115 V a.c., 24 V d.c.	VS1872215-KF00

B-Output boards for conduit entry and M23 connector

Description	Expandable to max. x no. of stations	Voltage	Model
Multipole PCB 2 stations	6	115 V a.c., 24 V d.c.	VS1872208-KF00
Multipole PCB 4 stations	8	115 V a.c., 24 V d.c.	VS1872209-KF00
Multipole PCB 6 stations	10	115 V a.c., 24 V d.c.	VS1872210-KF00
Multipole PCB 8 stations	12	115 V a.c., 24 V d.c.	VS1872211-KF00

C-Connector-kit for M23 connector

Description	Voltage	Model
E-Connector-kit M23 connector 19-pin	115 V a.c., 24 V d.c.	VS2672743-KG00



1 Torque = 0,8 ... 0,9 Nm
Screwdriver speed = max. 1100 r.p.m

For detailed assembly instructions, please see maintenance & instruction booklet

Industrial Ethernet and IO-Link expansion

A—Two station PCB

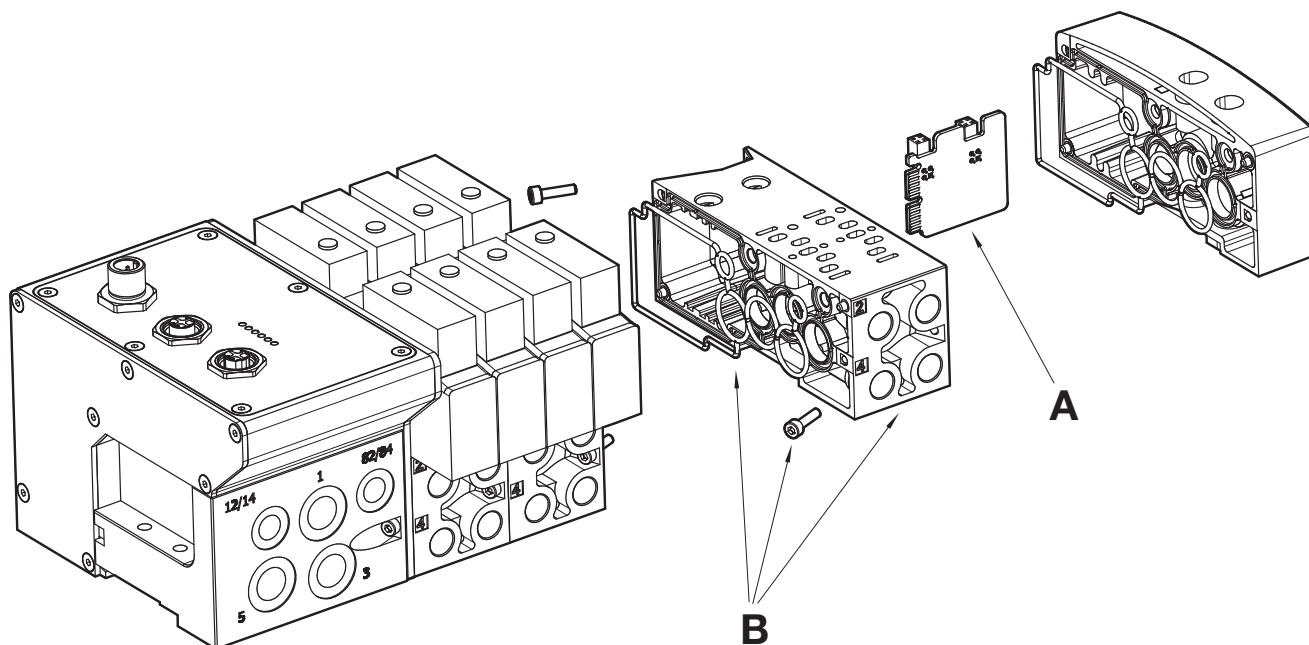
Description	Model
Double station end- and extension PCB	VS1872264-KF00

B—Double station modular sub-base

Ports 2 + 4	Model
G1/8	VS1872002-AFF0
NPTF 1/8	VS1872002-PFF0
PIF6 mm	VS1872002-6FF0
PIF8 mm	VS1872002-8FF0
PIF1/4	VS1872002-1FF0

Additionally available PCBs

Description	Model
Four station end- and extension PCB	VS1872262-KF00
Single station blank PCB (no valve connections)	VS1872263-KF00



Part numbering for complete valve islands

VS18★★★★00-★★★★

Number of stations*	Substitute
1 stations	01
2 stations	02
3 stations	03
4 stations	04
5 stations	05
6 stations	06
7 stations	07
8 stations	08
9 stations	09
10 stations	10
11 stations	11
12 stations	12
13 stations	13
14 stations	14
15 stations	15
16 stations	16
17 stations	17
18 stations	18
19 stations	19
20 stations	20
Electrical connection	Substitute
Single Station	SS
Multipole D-Sub 9 pin	M9
Multipole D-Sub 15 pin	M1
Multipole D-Sub 25 pin	M2
Multipole M23 19 pin	M3
Multipole D-Sub 44 pin	M4
Conduit NPT	CD
PROFIBUS DP	PB
PROFINET IRT	PN
DeviceNet	DN
EtherNet/IP	EP
CANopen	CO
IO-Link	IL

To be defined by online Valve Island configurator based on valve slice selection

* Multipole: 2 to 20 stations
 Fieldbus: 2 to 16 stations
 Industrial Ethernet: 4 to 20 stations
 IO-Link: 2 to 20 stations

Descriptions and short codes for valve slices used in the Valve Island configurator

Function 2 x 2/2 softseal	Actuation / return	Pilot supply	Manual override	Voltage	Short code	Model	ATEX Short code	ATEX Model
NC	Sol/Spring	Internal	Push only	24 V d.c. 1,2 W	STU	VS18SE11DF313A	XTU	VS18SE11DF313E
NC	Sol/Spring	Internal	Push only	115 V a.c. 1,5 VA	TTU	VS18SE11DF318A	-	-
NC	Sol/Spring	Internal	Push & turn	24 V d.c. 1,2 W	STT	VS18SE11DF213A	XTT	VS18SE11DF213E
NC	Sol/Spring	Internal	Push & turn	115 V a.c. 1,5 VA	TTT	VS18SE11DF218A	-	-
NC	Sol/Spring	Internal	Extended, Push only	24 V d.c. 1,2 W	STE	VS18SE11DF513A	XTE	VS18SE11DF513E
NC	Sol/Spring	Internal	Extended, Push only	115 V a.c. 1,5 VA	TTE	VS18SE11DF518A	-	-
NC	Sol/Spring	External	Push only	24 V d.c. 1,2 W	SWU	VS18SE22DF313A	XWU	VS18SE22DF313E
NC	Sol/Spring	External	Push only	115 V a.c. 1,5 VA	TWU	VS18SE22DF318A	-	-
NC	Sol/Spring	External	Push & turn	24 V d.c. 1,2 W	SWT	VS18SE22DF213A	XWT	VS18SE22DF213E
NC	Sol/Spring	External	Push & turn	115 V a.c. 1,5 VA	TWT	VS18SE22DF218A	-	-
NC	Sol/Spring	External	Extended, Push only	24 V d.c. 1,2 W	SWE	VS18SE22DF513A	XWE	VS18SE22DF513E
NC	Sol/Spring	External	Extended, Push only	115 V a.c. 1,5 VA	TWE	VS18SE22DF518A	-	-
NO	Sol/Spring	Internal	Push only	24 V d.c. 1,2 W	SUU	VS18SF11DF313A	XUU	VS18SF11DF313E
NO	Sol/Spring	Internal	Push only	115 V a.c. 1,5 VA	TUU	VS18SF11DF318A	-	-
NO	Sol/Spring	Internal	Push & turn	24 V d.c. 1,2 W	SUT	VS18SF11DF213A	XUT	VS18SF11DF213E
NO	Sol/Spring	Internal	Push & turn	115 V a.c. 1,5 VA	TUT	VS18SF11DF218A	-	-
NO	Sol/Spring	Internal	Extended, Push only	24 V d.c. 1,2 W	SUE	VS18SF11DF513A	XUE	VS18SF11DF513E
NO	Sol/Spring	Internal	Extended, Push only	115 V a.c. 1,5 VA	TUE	VS18SF11DF518A	-	-
NO	Sol/Spring	External	Push only	24 V d.c. 1,2 W	SXU	VS18SF22DF313A	XXU	VS18SF22DF313E
NO	Sol/Spring	External	Push only	115 V a.c. 1,5 VA	TXU	VS18SF22DF318A	-	-
NO	Sol/Spring	External	Push & turn	24 V d.c. 1,2 W	SXT	VS18SF22DF213A	XXT	VS18SF22DF213E
NO	Sol/Spring	External	Push & turn	115 V a.c. 1,5 VA	TXT	VS18SF22DF218A	-	-
NO	Sol/Spring	External	Extended, Push only	24 V d.c. 1,2 W	SXE	VS18SF22DF513A	XXE	VS18SF22DF513E
NO	Sol/Spring	External	Extended, Push only	115 V a.c. 1,5 VA	TXE	VS18SF22DF518A	-	-
NO/NC	Sol/Spring	Internal	Push only	24 V d.c. 1,2 W	SVU	VS18SG11DF313A	XVU	VS18SG11DF313E
NO/NC	Sol/Spring	Internal	Push only	115 V a.c. 1,5 VA	TVU	VS18SG11DF318A	-	-
NO/NC	Sol/Spring	Internal	Push & turn	24 V d.c. 1,2 W	SVT	VS18SG11DF213A	XVT	VS18SG11DF213E
NO/NC	Sol/Spring	Internal	Push & turn	115 V a.c. 1,5 VA	TVT	VS18SG11DF218A	-	-
NO/NC	Sol/Spring	Internal	Extended, Push only	24 V d.c. 1,2 W	SVE	VS18SG11DF513A	XVE	VS18SG11DF513E
NO/NC	Sol/Spring	Internal	Extended, Push only	115 V a.c. 1,5 VA	TVE	VS18SG11DF518A	-	-
NO/NC	Sol/Spring	External	Push only	24 V d.c. 1,2 W	SYU	VS18SG22DF313A	XYU	VS18SG22DF313E
NO/NC	Sol/Spring	External	Push only	115 V a.c. 1,5 VA	TYU	VS18SG22DF318A	-	-
NO/NC	Sol/Spring	External	Push & turn	24 V d.c. 1,2 W	SYT	VS18SG22DF213A	XYT	VS18SG22DF213E
NO/NC	Sol/Spring	External	Push & turn	115 V a.c. 1,5 VA	TYT	VS18SG22DF218A	-	-
NO/NC	Sol/Spring	External	Extended, Push only	24 V d.c. 1,2 W	SYE	VS18SG22DF513A	XYE	VS18SG22DF513E
NO/NC	Sol/Spring	External	Extended, Push only	115 V a.c. 1,5 VA	TYE	VS18SG22DF518A	-	-

Function 2 x 3/2 softseal	Actuation / return	Pilot supply	Manual override	Voltage	Short code	Model	ATEX Short code	ATEX Model
NC	Sol/Spring	Internal	Push only	24 V d.c. 1,2 W	SAU	VS18SA11DF313A	XAU	VS18SA11DF313E
NC	Sol/Spring	Internal	Push only	115 V a.c. 1,5 VA	TAU	VS18SA11DF318A	-	-
NC	Sol/Spring	Internal	Push & turn	24 V d.c. 1,2 W	SAT	VS18SA11DF213A	XAT	VS18SA11DF213E
NC	Sol/Spring	Internal	Push & turn	115 V a.c. 1,5 VA	TAT	VS18SA11DF218A	-	-
NC	Sol/Spring	Internal	Extended, Push only	24 V d.c. 1,2 W	SAE	VS18SA11DF513A	XAE	VS18SA11DF513E
NC	Sol/Spring	Internal	Extended, Push only	115 V a.c. 1,5 VA	TAE	VS18SA11DF518A	-	-
NC	Sol/Spring	External	Push only	24 V d.c. 1,2 W	SDU	VS18SA22DF313A	XDU	VS18SA22DF313E
NC	Sol/Spring	External	Push only	115 V a.c. 1,5 VA	TDU	VS18SA22DF318A	-	-
NC	Sol/Spring	External	Push & turn	24 V d.c. 1,2 W	SDT	VS18SA22DF213A	XDT	VS18SA22DF213E
NC	Sol/Spring	External	Push & turn	115 V a.c. 1,5 VA	TDT	VS18SA22DF218A	-	-
NC	Sol/Spring	External	Extended, Push only	24 V d.c. 1,2 W	SDE	VS18SA22DF513A	XDE	VS18SA22DF513E
NC	Sol/Spring	External	Extended, Push only	115 V a.c. 1,5 VA	TDE	VS18SA22DF518A	-	-
NO	Sol/Spring	Internal	Push only	24 V d.c. 1,2 W	SBU	VS18SB11DF313A	XBU	VS18SB11DF313E
NO	Sol/Spring	Internal	Push only	115 V a.c. 1,5 VA	TBU	VS18SB11DF318A	-	-
NO	Sol/Spring	Internal	Push & turn	24 V d.c. 1,2 W	SBT	VS18SB11DF213A	XBT	VS18SB11DF213E
NO	Sol/Spring	Internal	Push & turn	115 V a.c. 1,5 VA	TBT	VS18SB11DF218A	-	-
NO	Sol/Spring	Internal	Extended, Push only	24 V d.c. 1,2 W	SBE	VS18SB11DF513A	XBE	VS18SB11DF513E
NO	Sol/Spring	Internal	Extended, Push only	115 V a.c. 1,5 VA	TBE	VS18SB11DF518A	-	-
NO	Sol/Spring	External	Push only	24 V d.c. 1,2 W	SEU	VS18SB22DF313A	XEU	VS18SB22DF313E
NO	Sol/Spring	External	Push only	115 V a.c. 1,5 VA	TEU	VS18SB22DF318A	-	-
NO	Sol/Spring	External	Push & turn	24 V d.c. 1,2 W	SET	VS18SB22DF213A	XET	VS18SB22DF213E
NO	Sol/Spring	External	Push & turn	115 V a.c. 1,5 VA	TET	VS18SB22DF218A	-	-
NO	Sol/Spring	External	Extended, Push only	24 V d.c. 1,2 W	SEE	VS18SB22DF513A	XEE	VS18SB22DF513E
NO	Sol/Spring	External	Extended, Push only	115 V a.c. 1,5 VA	TEE	VS18SB22DF518A	-	-
NO/NC	Sol/Spring	Internal	Push only	24 V d.c. 1,2 W	SCU	VS18SC11DF313A	XCU	VS18SC11DF313E
NO/NC	Sol/Spring	Internal	Push only	115 V a.c. 1,5 VA	TCU	VS18SC11DF318A	-	-
NO/NC	Sol/Spring	Internal	Push & turn	24 V d.c. 1,2 W	SCT	VS18SC11DF213A	XCT	VS18SC11DF213E
NO/NC	Sol/Spring	Internal	Push & turn	115 V a.c. 1,5 VA	TCT	VS18SC11DF218A	-	-
NO/NC	Sol/Spring	Internal	Extended, Push only	24 V d.c. 1,2 W	SCE	VS18SC11DF513A	XCE	VS18SC11DF513E
NO/NC	Sol/Spring	Internal	Extended, Push only	115 V a.c. 1,5 VA	TCE	VS18SC11DF518A	-	-
NO/NC	Sol/Spring	External	Push only	24 V d.c. 1,2 W	SFU	VS18SC22DF313A	XFU	VS18SC22DF313E
NO/NC	Sol/Spring	External	Push only	115 V a.c. 1,5 VA	TFU	VS18SC22DF318A	-	-
NO/NC	Sol/Spring	External	Push & turn	24 V d.c. 1,2 W	SFT	VS18SC22DF213A	XFT	VS18SC22DF213E
NO/NC	Sol/Spring	External	Push & turn	115 V a.c. 1,5 VA	TFT	VS18SC22DF218A	-	-
NO/NC	Sol/Spring	External	Extended, Push only	24 V d.c. 1,2 W	SFE	VS18SC22DF513A	XFE	VS18SC22DF513E
NO/NC	Sol/Spring	External	Extended, Push only	115 V a.c. 1,5 VA	TFE	VS18SC22DF518A	-	-

Function 5/2 softseal	Actuation / return	Pilot supply	Manual override	Voltage	Short code	Model	ATEX Short code	ATEX Model
BI	Sol/Sol	Internal	Push only	24 V d.c. 1,2 W	SJU	VS18S511DF313A	XJU	VS18S511DF313E
BI	Sol/Sol	Internal	Push only	115 V a.c. 1,5 VA	TJU	VS18S511DF318A	-	-
BI	Sol/Sol	Internal	Push & turn	24 V d.c. 1,2 W	SJT	VS18S511DF213A	XJT	VS18S511DF213E
BI	Sol/Sol	Internal	Push & turn	115 V a.c. 1,5 VA	TJT	VS18S511DF218A	-	-
BI	Sol/Sol	Internal	Extended, Push only	24 V d.c. 1,2 W	SJE	VS18S511DF513A	XJE	VS18S511DF513E
BI	Sol/Sol	Internal	Extended, Push only	115 V a.c. 1,5 VA	TJE	VS18S511DF518A	-	-
BI	Sol/Sol	External	Push only	24 V d.c. 1,2 W	SKU	VS18S522DF313A	XKU	VS18S522DF313E
BI	Sol/Sol	External	Push only	115 V a.c. 1,5 VA	TKU	VS18S522DF318A	-	-
BI	Sol/Sol	External	Push & turn	24 V d.c. 1,2 W	SKT	VS18S522DF213A	XKT	VS18S522DF213E
BI	Sol/Sol	External	Push & turn	115 V a.c. 1,5 VA	TKT	VS18S522DF218A	-	-
BI	Sol/Sol	External	Extended, Push only	24 V d.c. 1,2 W	SKE	VS18S522DF513A	XKE	VS18S522DF513E
BI	Sol/Sol	External	Extended, Push only	115 V a.c. 1,5 VA	TKE	VS18S522DF518A	-	-
MO	Sol/Spring	Internal	Push only	24 V d.c. 1,2 W	SGU	VS18S517DF313A	XGU	VS18S517DF313E
MO	Sol/Spring	Internal	Push only	115 V a.c. 1,5 VA	TGU	VS18S517DF318A	-	-
MO	Sol/Spring	Internal	Push & turn	24 V d.c. 1,2 W	SGT	VS18S517DF213A	XGT	VS18S517DF213E
MO	Sol/Spring	Internal	Push & turn	115 V a.c. 1,5 VA	TGT	VS18S517DF218A	-	-
MO	Sol/Spring	Internal	Extended, Push only	24 V d.c. 1,2 W	SGE	VS18S517DF513A	XGE	VS18S517DF513E
MO	Sol/Spring	Internal	Extended, Push only	115 V a.c. 1,5 VA	TGE	VS18S517DF518A	-	-
MO	Sol/Spring	External	Push only	24 V d.c. 1,2 W	SHU	VS18S527DF313A	XHU	VS18S527DF313E
MO	Sol/Spring	External	Push only	115 V a.c. 1,5 VA	THU	VS18S527DF318A	-	-
MO	Sol/Spring	External	Push & turn	24 V d.c. 1,2 W	SHT	VS18S527DF213A	XHT	VS18S527DF213E
MO	Sol/Spring	External	Push & turn	115 V a.c. 1,5 VA	THT	VS18S527DF218A	-	-
MO	Sol/Spring	External	Extended, Push only	24 V d.c. 1,2 W	SHE	VS18S527DF513A	XHE	VS18S527DF513E
MO	Sol/Spring	External	Extended, Push only	115 V a.c. 1,5 VA	THE	VS18S527DF518A	-	-
Function 5/2 glandless	Actuation / return	Pilot supply	Manual override	Voltage	Short code	Model	ATEX Short code	ATEX Model
BI	Sol/Sol	Internal	Push only	24 V d.c. 1,2 W	GJU	VS18G511DF313A	LJU	VS18G511DF313E
BI	Sol/Sol	Internal	Push only	115 V a.c. 1,5 VA	HJU	VS18G511DF318A	-	-
BI	Sol/Sol	Internal	Push & turn	24 V d.c. 1,2 W	GJT	VS18G511DF213A	LJT	VS18G511DF213E
BI	Sol/Sol	Internal	Push & turn	115 V a.c. 1,5 VA	HJT	VS18G511DF218A	-	-
BI	Sol/Sol	Internal	Extended, Push only	24 V d.c. 1,2 W	GJE	VS18G511DF513A	LJE	VS18G511DF513E
BI	Sol/Sol	Internal	Extended, Push only	115 V a.c. 1,5 VA	HJE	VS18G511DF518A	-	-
BI	Sol/Sol	External	Push only	24 V d.c. 1,2 W	GKU	VS18G522DF313A	LKU	VS18G522DF313E
BI	Sol/Sol	External	Push only	115 V a.c. 1,5 VA	HKU	VS18G522DF318A	-	-
BI	Sol/Sol	External	Push & turn	24 V d.c. 1,2 W	GKT	VS18G522DF213A	LKT	VS18G522DF213E
BI	Sol/Sol	External	Push & turn	115 V a.c. 1,5 VA	HKT	VS18G522DF218A	-	-
BI	Sol/Sol	External	Extended, Push only	24 V d.c. 1,2 W	GKE	VS18G522DF513A	LKE	VS18G522DF513E
BI	Sol/Sol	External	Extended, Push only	115 V a.c. 1,5 VA	HKE	VS18G522DF518A	-	-
BI	Sol(Priority)/Sol	Internal	Push only	24 V d.c. 1,2 W	GSU	VS18G591DF313A	LSU	VS18G591DF313E
BI	Sol(Priority)/Sol	Internal	Push only	115 V a.c. 1,5 VA	HSU	VS18G591DF318A	-	-
BI	Sol(Priority)/Sol	Internal	Push & turn	24 V d.c. 1,2 W	GST	VS18G591DF213A	LST	VS18G591DF213E
BI	Sol(Priority)/Sol	Internal	Push & turn	115 V a.c. 1,5 VA	HST	VS18G591DF218A	-	-
BI	Sol(Priority)/Sol	Internal	Extended, Push only	24 V d.c. 1,2 W	GSE	VS18G591DF513A	LSE	VS18G591DF513E
BI	Sol(Priority)/Sol	Internal	Extended, Push only	115 V a.c. 1,5 VA	HSE	VS18G591DF518A	-	-
BI	Sol(Priority)/Sol	External	Push only	24 V d.c. 1,2 W	GTU	VS18G592DF313A	LTU	VS18G592DF313E
BI	Sol(Priority)/Sol	External	Push only	115 V a.c. 1,5 VA	HTU	VS18G592DF318A	-	-
BI	Sol(Priority)/Sol	External	Push & turn	24 V d.c. 1,2 W	GTT	VS18G592DF213A	LTT	VS18G592DF213E
BI	Sol(Priority)/Sol	External	Push & turn	115 V a.c. 1,5 VA	HTT	VS18G592DF218A	-	-
BI	Sol(Priority)/Sol	External	Extended, Push only	24 V d.c. 1,2 W	GTE	VS18G592DF513A	LTE	VS18G592DF513E
BI	Sol(Priority)/Sol	External	Extended, Push only	115 V a.c. 1,5 VA	HTE	VS18G592DF518A	-	-
MO	Sol/Spring	Internal	Push only	24 V d.c. 1,2 W	GGU	VS18G517DF313A	LGU	VS18G517DF313E
MO	Sol/Spring	Internal	Push only	115 V a.c. 1,5 VA	HGU	VS18G517DF318A	-	-
MO	Sol/Spring	Internal	Push & turn	24 V d.c. 1,2 W	GGT	VS18G517DF213A	LGT	VS18G517DF213E
MO	Sol/Spring	Internal	Push & turn	115 V a.c. 1,5 VA	HGT	VS18G517DF218A	-	-
MO	Sol/Spring	Internal	Extended, Push only	24 V d.c. 1,2 W	GGE	VS18G517DF513A	LGE	VS18G517DF513E
MO	Sol/Spring	Internal	Extended, Push only	115 V a.c. 1,5 VA	HGE	VS18G517DF518A	-	-
MO	Sol/Spring	External	Push only	24 V d.c. 1,2 W	GHU	VS18G527DF313A	LHU	VS18G527DF313E
MO	Sol/Spring	External	Push only	115 V a.c. 1,5 VA	HHU	VS18G527DF318A	-	-
MO	Sol/Spring	External	Push & turn	24 V d.c. 1,2 W	GHT	VS18G527DF213A	LHT	VS18G527DF213E
MO	Sol/Spring	External	Push & turn	115 V a.c. 1,5 VA	HHT	VS18G527DF218A	-	-
MO	Sol/Spring	External	Extended, Push only	24 V d.c. 1,2 W	GHE	VS18G527DF513A	LHE	VS18G527DF513E
MO	Sol/Spring	External	Extended, Push only	115 V a.c. 1,5 VA	HHE	VS18G527DF518A	-	-

Function 5/3 softseal	Actuation/ return	Pilot supply	Manual override	Voltage	Short code	Model	ATEX Short code	ATEX Model
APB	Sol/Sol	Internal	Push only	24 V d.c. 1,2 W	SLU	VS18S611DF313A	XLU	VS18S611DF313E
APB	Sol/Sol	Internal	Push only	115 V a.c. 1,5 VA	TLU	VS18S611DF318A	-	-
APB	Sol/Sol	Internal	Push & turn	24 V d.c. 1,2 W	SLT	VS18S611DF213A	XLT	VS18S611DF213E
APB	Sol/Sol	Internal	Push & turn	115 V a.c. 1,5 VA	TLT	VS18S611DF218A	-	-
APB	Sol/Sol	Internal	Extended, Push only	24 V d.c. 1,2 W	SLE	VS18S611DF513A	XLE	VS18S611DF513E
APB	Sol/Sol	Internal	Extended, Push only	115 V a.c. 1,5 VA	TLE	VS18S611DF518A	-	-
APB	Sol/Sol	External	Push only	24 V d.c. 1,2 W	SMU	VS18S622DF313A	XMU	VS18S622DF313E
APB	Sol/Sol	External	Push only	115 V a.c. 1,5 VA	TMU	VS18S622DF318A	-	-
APB	Sol/Sol	External	Push & turn	24 V c.c. 1,2 W	SMT	VS18S622DF213A	XMT	VS18S622DF213E
APB	Sol/Sol	External	Push & turn	115 V a.c. 1,5 VA	TMT	VS18S622DF218A	-	-
APB	Sol/Sol	External	Extended, Push only	24 V d.c. 1,2 W	SME	VS18S622DF513A	XME	VS18S622DF513E
APB	Sol/Sol	External	Extended, Push only	115 V a.c. 1,5 VA	TME	VS18S622DF518A	-	-
COE	Sol/Sol	Internal	Push only	24 V d.c. 1,2 W	SQU	VS18S711DF313A	XQU	VS18S711DF313E
COE	Sol/Sol	Internal	Push only	115 V a.c. 1,5 VA	TQU	VS18S711DF318A	-	-
COE	Sol/Sol	Internal	Push & turn	24 V d.c. 1,2 W	SQT	VS18S711DF213A	XQT	VS18S711DF213E
COE	Sol/Sol	Internal	Push & turn	115 V a.c. 1,5 VA	TQT	VS18S711DF218A	-	-
COE	Sol/Sol	Internal	Extended, Push only	24 V d.c. 1,2 W	SQE	VS18S711DF513A	XQE	VS18S711DF513E
COE	Sol/Sol	Internal	Extended, Push only	115 V a.c. 1,5 VA	TQE	VS18S711DF518A	-	-
COE	Sol/Sol	External	Push only	24 V d.c. 1,2 W	SRU	VS18S722DF313A	XRU	VS18S722DF313E
COE	Sol/Sol	External	Push only	115 V a.c. 1,5 VA	TRU	VS18S722DF318A	-	-
COE	Sol/Sol	External	Push & turn	24 V d.c. 1,2 W	SRT	VS18S722DF213A	XRT	VS18S722DF213E
COE	Sol/Sol	External	Push & turn	115 V a.c. 1,5 VA	TRT	VS18S722DF218A	-	-
COE	Sol/Sol	External	Extended, Push only	24 V d.c. 1,2 W	SRE	VS18S722DF513A	XRE	VS18S722DF513E
COE	Sol/Sol	External	Extended, Push only	115 V a.c. 1,5 VA	TRE	VS18S722DF518A	-	-
Function 5/3 glandless	Actuation/ return	Pilot supply	Manual override	Voltage	Short code	Model	ATEX Short code	ATEX Model
APB	Sol/Sol	Internal	Push only	24 V d.c. 1,2 W	GLU	VS18G611DF313A	LLU	VS18G611DF313E
APB	Sol/Sol	Internal	Push only	115 V a.c. 1,5 VA	HLU	VS18G611DF318A	-	-
APB	Sol/Sol	Internal	Push & turn	24 V d.c. 1,2 W	GLT	VS18G611DF213A	LLT	VS18G611DF213E
APB	Sol/Sol	Internal	Push & turn	115 V a.c. 1,5 VA	HLT	VS18G611DF218A	-	-
APB	Sol/Sol	Internal	Extended, Push only	24 V d.c. 1,2 W	GLE	VS18G611DF513A	LLE	VS18G611DF513E
APB	Sol/Sol	Internal	Extended, Push only	115 V a.c. 1,5 VA	HLE	VS18G611DF518A	-	-
APB	Sol/Sol	External	Push only	24 V d.c. 1,2 W	GMU	VS18G622DF313A	LMU	VS18G622DF313E
APB	Sol/Sol	External	Push only	115 V a.c. 1,5 VA	HMU	VS18G622DF318A	-	-
APB	Sol/Sol	External	Push & turn	24 V d.c. 1,2 W	GMT	VS18G622DF213A	LMT	VS18G622DF213E
APB	Sol/Sol	External	Push & turn	115 V a.c. 1,5 VA	HMT	VS18G622DF218A	-	-
APB	Sol/Sol	External	Extended, Push only	24 V d.c. 1,2 W	GME	VS18G622DF513A	LME	VS18G622DF513E
APB	Sol/Sol	External	Extended, Push only	115 V a.c. 1,5 VA	HME	VS18G622DF518A	-	-
COE	Sol/Sol	Internal	Push only	24 V d.c. 1,2 W	GQU	VS18G711DF313A	LQU	VS18G711DF313E
COE	Sol/Sol	Internal	Push only	115 V a.c. 1,5 VA	HQU	VS18G711DF318A	-	-
COE	Sol/Sol	Internal	Push & turn	24 V d.c. 1,2 W	GQT	VS18G711DF213A	LQT	VS18G711DF213E
COE	Sol/Sol	Internal	Push & turn	115 V a.c. 1,5 VA	HQT	VS18G711DF218A	-	-
COE	Sol/Sol	Internal	Extended, Push only	24 V d.c. 1,2 W	GQE	VS18G711DF513A	LQE	VS18G711DF513E
COE	Sol/Sol	Internal	Extended, Push only	115 V a.c. 1,5 VA	HQE	VS18G711DF518A	-	-
COE	Sol/Sol	External	Push only	24 V d.c. 1,2 W	GRU	VS18G722DF313A	LRU	VS18G722DF313E
COE	Sol/Sol	External	Push only	115 V a.c. 1,5 VA	HRU	VS18G722DF318A	-	-
COE	Sol/Sol	External	Push & turn	24 V d.c. 1,2 W	GRT	VS18G722DF213A	LRT	VS18G722DF213E
COE	Sol/Sol	External	Push & turn	115 V a.c. 1,5 VA	HRT	VS18G722DF218A	-	-
COE	Sol/Sol	External	Extended, Push only	24 V d.c. 1,2 W	GRE	VS18G722DF513A	LRE	VS18G722DF513E
COE	Sol/Sol	External	Extended, Push only	115 V a.c. 1,5 VA	HRE	VS18G722DF518A	-	-

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »**Technical features/data**«. Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI Precision Engineering. Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

VM15 series, 2 x 3/2, 5/2 or 5/3 Valve islands



- > Valve slices 2 x 3/2, 5/2 and 5/3 with integral push-in fittings Ø 6, 8 and 10 mm
- > High flow from 15 mm valve width
- > Multipole or individually wired for installation flexibility
- > To configure and order a
- > Compact and lightweight, integral push in fittings



Technical features

Medium:

Compressed air, filtered, lubricated and non-lubricated

Operation:

Spool valve indirectly actuated

Port sizes:

Ports 1, 3 & 5: Ø 10 & 12 mm

Ports 2 & 4: Ø 6, 8 & 10 mm

Ports 12/14 & 82/84: Ø 6 mm push-in fittings

Imperial versions also available

Flow:

Function	Cv	l/min
5/2	1,01	1000
2x3/2	0,97	965
5/3	0,91	900

Degree of protection:

Individually wired: IP40

Multipole: IP65

Ambient/Media temperature:

-5 ... +50°C (+23 ... +122 °F)

Air supply must be dry enough to avoid ice formation at temperatures below 2°C (+35°F).

Materials:

Body, end plates: engineered

PPA co-polymer

Spool: aluminium

Seals: NBR

Electrical details

Voltage	24 V d.c. 1,2 W*
Surge suppression	Flywheel diode
Indication	Yellow LED

* 12 V d.c. also available.

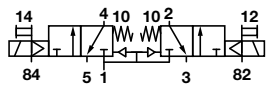
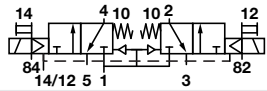
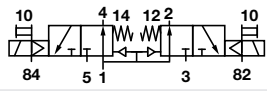
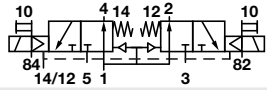
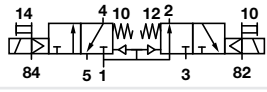
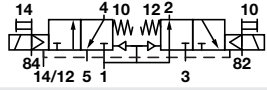
Please consult our Technical Service.

Solenoids

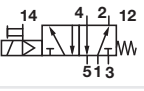
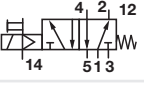
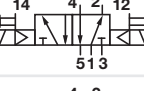
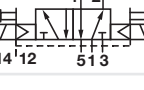
Voltage tolerance	± 10%
Rating	100% ED

Technical data

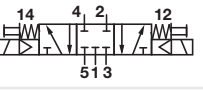
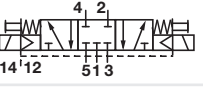
2 x 3/2 Double solenoid actuated valves

Symbol	Function	Actuation	Pilot supply	Manual override	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Model
	2 x 3/2 NC	Solenoid/spring	Internal	Push and turn to lock	3 ... 8	–	0,10	VM15*A11AB213B
	2 x 3/2 NC	Solenoid/spring	Internal	Push only	3 ... 8	–	0,10	VM15*A11AB313B
	2 x 3/2 NC	Solenoid/spring	External	Push and turn to lock	-0,9 ... 8	3 ... 8	0,10	VM15*A22AB213B
	2 x 3/2 NC	Solenoid/spring	External	Push only	-0,9 ... 8	3 ... 8	0,10	VM15*A22AB313B
	2 x 3/2 NO	Solenoid/spring	Internal	Push and turn to lock	3 ... 8	–	0,10	VM15*B11AB213B
	2 x 3/2 NO	Solenoid/spring	Internal	Push only	3 ... 8	–	0,10	VM15*B11AB313B
	2 x 3/2 NO	Solenoid/spring	External	Push and turn to lock	-0,9 ... 8	3 ... 8	0,10	VM15*B22AB213B
	2 x 3/2 NO	Solenoid/spring	External	Push only	-0,9 ... 8	3 ... 8	0,10	VM15*B22AB313B
	2 x 3/2 NO/NC	Solenoid/spring	Internal	Push and turn to lock	3 ... 8	–	0,10	VM15*C11AB213B
	2 x 3/2 NO/NC	Solenoid/spring	Internal	Push only	3 ... 8	–	0,10	VM15*C11AB313B
	2 x 3/2 NO/NC	Solenoid/spring	External	Push and turn to lock	-0,9 ... 8	3 ... 8	0,10	VM15*C22AB213B
	2 x 3/2 NO/NC	Solenoid/spring	External	Push only	-0,9 ... 8	3 ... 8	0,10	VM15*C22AB313B

5/2 Single and double solenoid actuated valves

Symbol	Function	Actuation	Pilot supply	Manual override	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Model
	5/2	Solenoid/spring	Internal	Push and turn to lock	3 ... 8	–	0,09	VM15*517AB213B
	5/2	Solenoid/spring	Internal	Push only	3 ... 8	–	0,09	VM15*517AB313B
	5/2	Solenoid/spring	External	Push and turn to lock	-0,9 ... 8	3 ... 8	0,09	VM15*527AB213B
	5/2	Solenoid/spring	External	Push only	-0,9 ... 8	3 ... 8	0,09	VM15*527AB313B
	5/2	Solenoid/solenoid	Internal	Push and turn to lock	3 ... 8	–	0,10	VM15*511AB213B
	5/2	Solenoid/solenoid	Internal	Push only	3 ... 8	–	0,10	VM15*511AB313B
	5/2	Solenoid/solenoid	External	Push and turn to lock	-0,9 ... 8	2 ... 8	0,10	VM15*522AB213B
	5/2	Solenoid/solenoid	External	Push only	-0,9 ... 8	2 ... 8	0,10	VM15*522AB313B

5/3 Double solenoid actuated valves

Symbol	Function	Actuation	Pilot supply	Manual override	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Model
	5/3 APB	Solenoid/solenoid	Internal	Push and turn to lock	3 ... 8	–	0,10	VM15*611AB213B
	5/3 APB	Solenoid/solenoid	Internal	Push only	3 ... 8	–	0,10	VM15*611AB313B
	5/3 APB	Solenoid/solenoid	External	Push and turn to lock	0,9 ... 8	3 ... 8	0,10	VM15*622AB213B
	5/3 APB	Solenoid/solenoid	External	Push only	0,9 ... 8	3 ... 8	0,10	VM15*622AB313B

* For selection of port sizes please see page 3

Note: For 5/3 COE please use 2 x 3/2 NC. For 5/3 COP please use 2 x 3/2 NO

APB = All Ports Blocked COE = Centre Open Exhaust COP = Centre Open Pressure

Option selector

VM15★★★★AB★13B

Tube size	Substitute
6 mm PIF	6
8 mm PIF	8
10 mm PIF	Y
Valve function	Substitute
5/2	5
5/3 APB	6
2 x 3/2 NC and 5/3 COE	A
2 x 3/2 NO and 5/3 COP	B
2 x 3/2 NC and NO	C

Manual override	Substitute
Turn to lock	2
Push only	3
Actuation/pilot supply	Substitute
Solenoid/solenoid internal pilot	11
Solenoid/spring internal pilot *1)	17
Solenoid/solenoid external pilot	22
Solenoid/spring external pilot *1)	27

Note:

For 5/3 COE and COP use

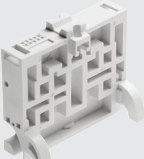
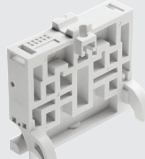
2 x 3/2 APB = All Ports Blocked

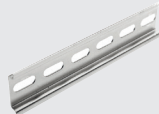
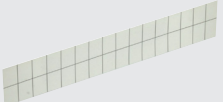
COE = Centre Open Exhaust

COP = Centre Open Pressure

*1) Can only be used with 5/2 valve

Accessories

Valve blanking station	Port blanking station	Intermediate supply and exhaust manifold (ISEM)
		
Page 6	Page 6	Page 5
VM156517AQ0300	VM156517AQ0301 (Port 1 blanked)	VM156517AQ0304 (Feed right)
	VM156517AQ0302 (Ports 3 & 5 blanked)	VM156517AQ0305 (Feed left)
	VM156517AQ0303 (Ports 1, 3 & 5 blanked)	VM156517AQ0306 (Feed right and left)

DIN Rail fixing kit	DIN rail	Label cover kit	Labels
			
V12022-K30	V10009-C00 (1 m)	V12016-K30 (4 Station) V12016-K32 (8 Station)	V12016-K34 (12 Station)
		V12033-L01 (write and seal label)	V12034-L01 (paper label)

Pressure switch for pilot ports 12 and 14	Silencer	Plug
		
Page 11	Page 11	Page 11
VM106517AQ0806 (6 mm)	T45P0006 (6 mm)	C00040600 (6 mm)
	T45P0008 (8 mm)	C00040800 (8 mm)
	T45P0010 (10 mm)	C00041000 (10 mm)
	T45P0012 (12 mm)	C00041200 (12 mm)

D Sub-connector 25 pin, IP65	D Sub-connector 44 pin, IP65	D Sub-connector 25 pin 90°, IP65	D Sub-connector 44 pin 90°, IP65	2 Pin connector IP40
				
Page 9	Page 9	Page 10	Page 10	
V11569-E01 (1 m)	V11570-E01 (1 m)	V12086-E01 (1 m)	V12088-E01 (1 m)	V11556-E03 (0,3 m)
V11569-E03 (3 m)	V11570-E03 (3 m)	V12086-E03 (3 m)	V12088-E03 (3 m)	V11556-E03 (0,3 m)
V11569-E05 (5 m)	V11570-E05 (5 m)	V12086-E05 (5 m)	V12088-E05 (5 m)	

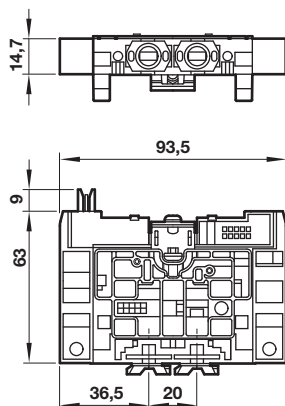
Valve slices 2 x 3/2, 5/2 & 5/3 with integral push-in fittings - Ø 6, 8 or 10 mm

Dimensions

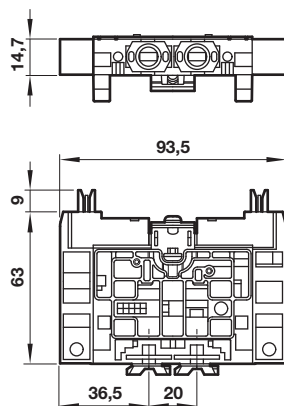
Dimensions in mm
Projection/First angle



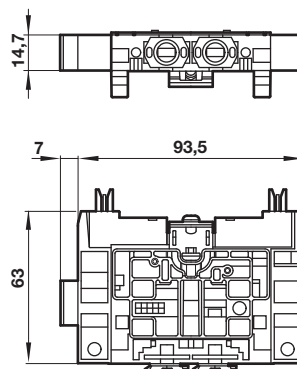
Single solenoid



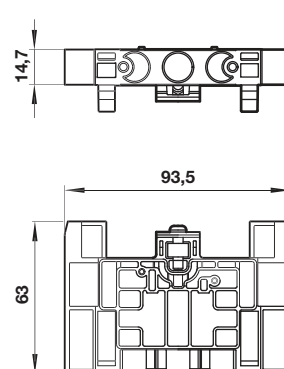
Double solenoid



5/3 APB, double solenoid



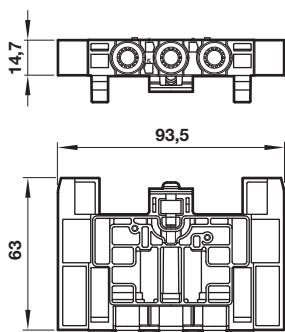
Blanking plates



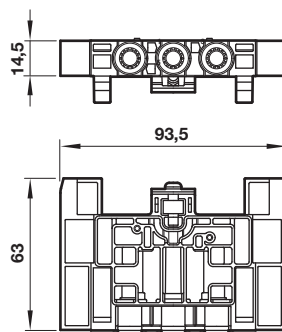
Valve blanking station	Port blanking station	Short code	Weight (kg)
VM156517AQ0300	VM156517AQ0301	Port 1 blanked	0,057
	VM156517AQ0302	Ports 3 & 5 blanked	0,057
	VM156517AQ0303	Ports 1, 3 & 5 blanked	0,057

Intermediate supply and exhaust manifold (ISEM)

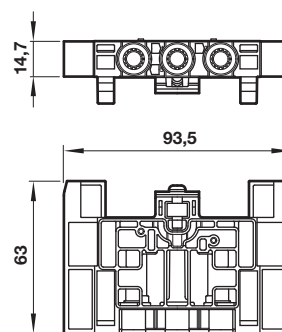
VM156517AQ0304



VM156517AQ0305



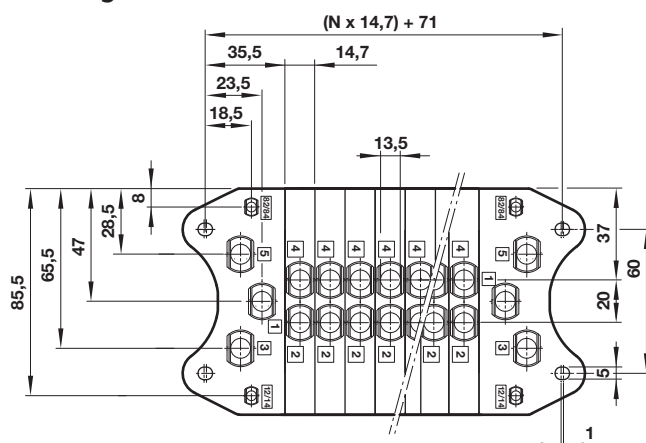
VM156517AQ0306



ISEM	Push IN fittings	Weight (kg)	Model
Feed right	Ø 8 mm	0,064	VM156517AQ0304
Feed left	Ø 8 mm	0,064	VM156517AQ0305
Feed right & left	Ø 8 mm	0,064	VM156517AQ0306

Port connections and mountings

Dimensions in mm
Projection/First angle



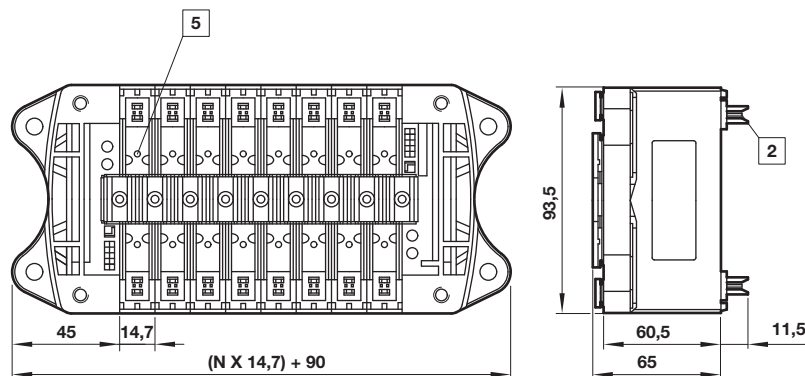
N = number of stations

Description	Ports 1,3 & 5 Tube outside Ø	Ports 12/14 & 82/84 Tube outside Ø	Ports 2 & 4 Tube outside Ø	Weight (kg)	Model
End plate kit - feed both ends	12	6	6, 8 or 10	0,30	VM156517AQ010Z
End plate kit - feed both ends	10	6	6, 8 or 10	0,30	VM156517AQ010Y
End plate kit - left blocked	12	6	6, 8 or 10	0,30	VM156517AQ011Z
End plate kit - left blocked	10	6	6, 8 or 10	0,30	VM156517AQ011Y
End plate kit - right blocked	12	6	6, 8 or 10	0,30	VM156517AQ012Z
End plate kit - right blocked	10	6	6, 8 or 10	0,30	VM156517AQ012Y

"Note: Ports 82/84 (solenoid pilot exhausts) should not be plugged. A filter or silencer can be fitted or the air can be piped away with tubing."

Modular assembly

Individually wired IP40

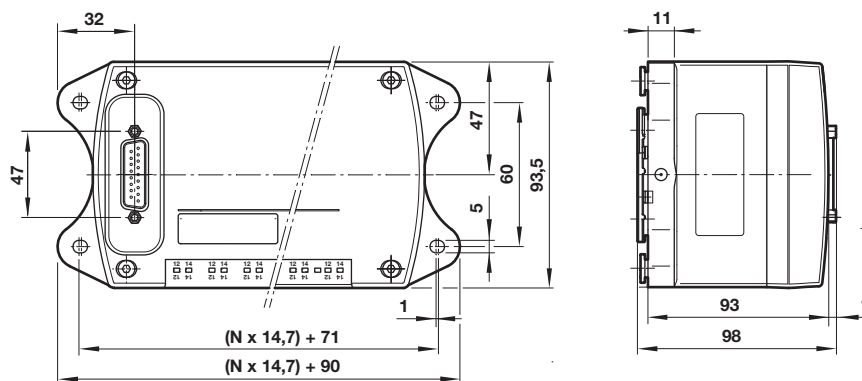


2 2 pin connector interface
5 Manual override
N = number of stations

Individually wired	No. of stations	Max. no. of coils	Weight (kg)*
2 pin connector	2 ... 20	40	0,170

* kg + valves weight

Multipole IP65



Dimensions in mm
Projection/First angle

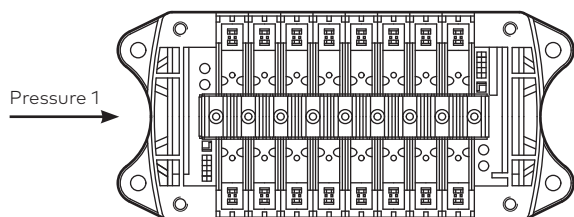


N = number of stations

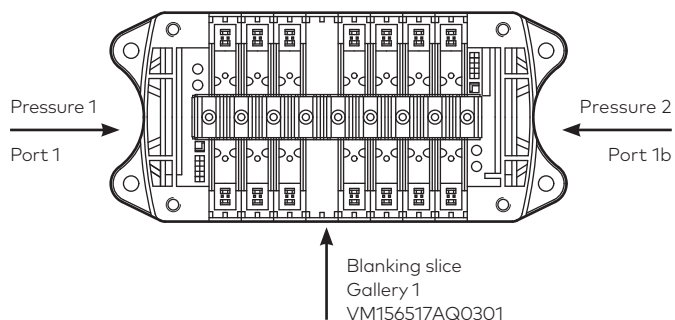
Multipole	No. of stations	Model -ve common	Max. no. coils
25 Pin connector	4	VM156517AQ0404	8
25 Pin connector	6	VM156517AQ0406	12
25 Pin connector	8	VM156517AQ0408	16
25 Pin connector	10	VM156517AQ0410	20
25 Pin connector	12	VM156517AQ0412	24
44 Pin connector	16	VM156517AQ0516	32

Multi-pressure options

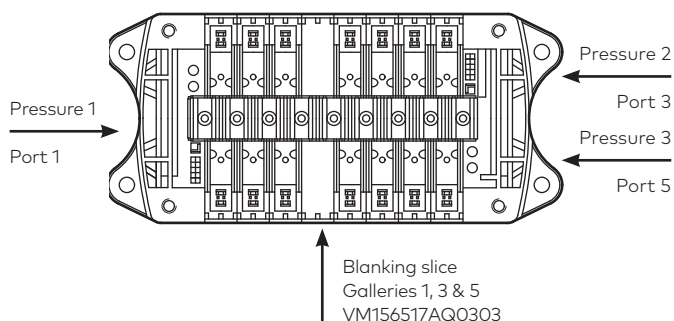
Single pressure



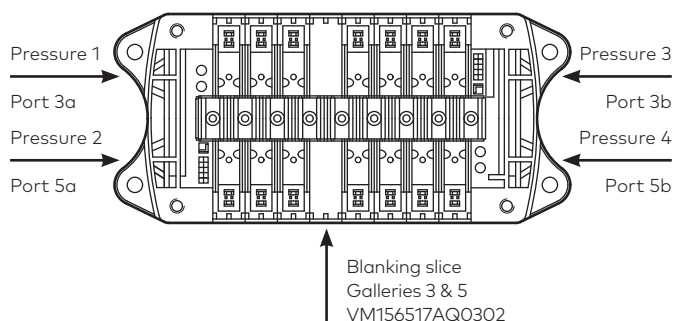
Two pressure



Three pressure



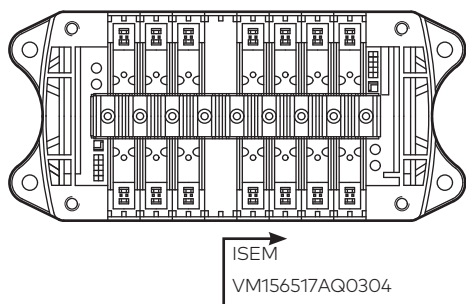
Four pressure



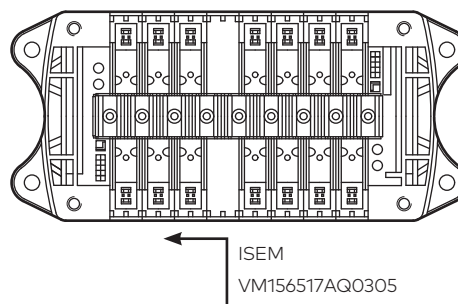
Please Note - the 3 & 4 Pressure islands shown above are achieved by using externally piloted 2x3/2 valves and reverse porting via ports 3 & 5, Please note that when 2x3/2 valves are reverse ported the functions are also reversed i.e. N/C becomes N/O and N/O becomes N/C

Multi-pressure options – Intermediate Supply Exhaust Manifolds Single pressure

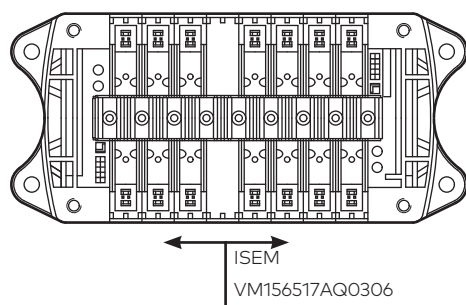
Feed right



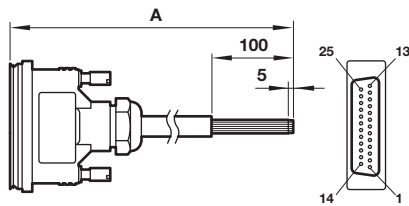
Feed left



Feed left and feed right



D sub-connector 25 pin (IP65)



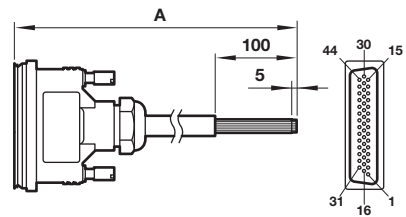
A	Model
1 m	V11569-E01
3 m	V11569-E03
5 m	V11569-E05

Pin no.	Wire colour	Socket	Pilot	Station
1	White	Solenoid 1-a	14	1
2	Brown	Solenoid 2-a	14	2
3	Green	Solenoid 3-a	14	3
4	Yellow	Solenoid 4-a	14	4
5	Grey	Solenoid 5-a	14	5
6	Pink	Solenoid 6-a	14	6
7	Blue	Solenoid 7-a	14	7
8	Red	Solenoid 8-a	14	8
9	Black	Solenoid 9-a	14	9
10	Violet	Solenoid 10-a	14	10
11	Grey/Pink	Solenoid 11-a	14	11
12	Red/Blue	Solenoid 12-a	14	12
13	White/Green	Common-Ve		-
14	Brown/Green	Solenoid 1-b	12	1
15	White/Yellow	Solenoid 2-b	12	2
16	Yellow/Brown	Solenoid 3-b	12	3
17	White/Grey	Solenoid 4-b	12	4
18	Grey/Brown	Solenoid 5-b	12	5
19	White/Pink	Solenoid 6-b	12	6
20	Pink/Brown	Solenoid 7-b	12	7
21	White/Blue	Solenoid 8-b	12	8
22	Brown/Blue	Solenoid 9-b	12	9
23	White/Red	Solenoid 10-b	12	10
24	Brown/Red	Solenoid 11-b	12	11
25	White/Black	Solenoid 12-b	12	12

Note: Conforms to DIN 47100

D Sub-connector 44 pin (IP65)

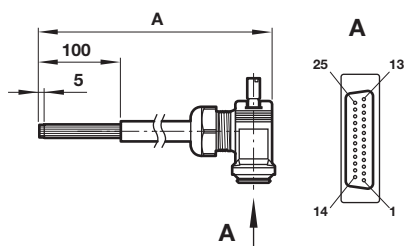
Dimensions in mm
Projection/First angle



A	Model
1 m	V11570-E01
3 m	V11570-E03
5 m	V11570-E05

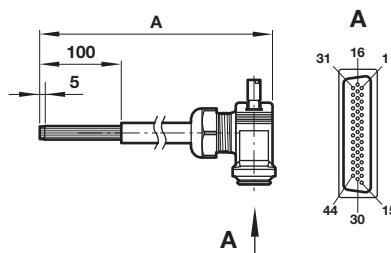
Pin no.	Wire colour	Socket	Pilot	Station
1	White	Solenoid 1-a	14	1
2	Brown	Solenoid 2-a	14	2
3	Green	Solenoid 3-a	14	3
4	Yellow	Solenoid 4-a	14	4
5	Grey	Solenoid 5-a	14	5
6	Pink	Solenoid 6-a	14	6
7	Blue	Solenoid 7-a	14	7
8	Red	Solenoid 8-a	14	8
9	Black	Solenoid 9-a	14	9
10	Violet	Solenoid 10-a	14	10
11	Grey/Pink	Solenoid 11-a	14	11
12	Red/Blue	Solenoid 12-a	14	12
13	White/Green	Solenoid 13-a	14	13
14	Brown/Green	Solenoid 14-a	14	14
15	White/Yellow	Solenoid 15-a	14	15
16	Yellow/Brown	Solenoid 1-b	12	1
17	White/Grey	Solenoid 2-b	12	2
18	Grey/Brown	Solenoid 3-b	12	3
19	White/Pink	Solenoid 4-b	12	4
20	Pink/Brown	Solenoid 5-b	12	5
21	White/Blue	Solenoid 6-b	12	6
22	Brown/Blue	Solenoid 7-b	12	7
23	White/Red	Solenoid 8-b	12	8
24	Brown/Red	Solenoid 9-b	12	9
25	White/Black	Solenoid 10-b	12	10
26	Brown/Black	Solenoid 11-b	12	11
27	Grey/Green	Solenoid 12-b	12	12
28	Yellow/Grey	Solenoid 13-b	12	13
29	Pink/Green	Solenoid 14-b	12	14
30	Yellow/Pink	Solenoid 15-b	12	15
31	Green/Blue	Solenoid 16-a	14	16
32	Yellow/Blue	Solenoid 16-b	12	16
33	—	Not used	—	—
34	—	Not used	—	—
35	—	Not used	—	—
36	—	Not used	—	—
37	—	Not used	—	—
38	—	Not used	—	—
39	—	Not used	—	—
40	—	Not used	—	—
41	—	Not used	—	—
42	—	Not used	—	—
43	—	Not used	—	—
44	Red/Black Yellow/Black	Common -Ve	—	—

D Sub-connector 25 pin 90° (IP65)



A	Model
1 m	V12086-E01
3 m	V12086-E03
5 m	V12086-E05

D Sub-connector 44 pin 90° (IP65)



Dimensions in mm
Projection/First angle



A	Model
1m	V12088-E01
3m	V12088-E03
5m	V12088-E05

Pin no.	Wire colour	Socket	Pilot	Station
1	White	Solenoid 1-a	14	1
2	Brown	Solenoid 2-a	14	2
3	Green	Solenoid 3-a	14	3
4	Yellow	Solenoid 4-a	14	4
5	Grey	Solenoid 5-a	14	5
6	Pink	Solenoid 6-a	14	6
7	Blue	Solenoid 7-a	14	7
8	Red	Solenoid 8-a	14	8
9	Black	Solenoid 9-a	14	9
10	Violet	Solenoid 10-a	14	10
11	Grey/Pink	Solenoid 11-a	14	11
12	Red/Blue	Solenoid 12-a	14	12
13	White/Green	Common-Ve	-	-
14	Brown/Green	Solenoid 1-b	12	1
15	White/Yellow	Solenoid 2-b	12	2
16	Yellow/Brown	Solenoid 3-b	12	3
17	White/Grey	Solenoid 4-b	12	4
18	Grey/Brown	Solenoid 5-b	12	5
19	White/Pink	Solenoid 6-b	12	6
20	Pink/Brown	Solenoid 7-b	12	7
21	White/Blue	Solenoid 8-b	12	8
22	Brown/Blue	Solenoid 9-b	12	9
23	White/Red	Solenoid 10-b	12	10
24	Brown/Red	Solenoid 11-b	12	11
25	White/Black	Solenoid 12-b	12	12

Note: Conforms to DIN 47100e

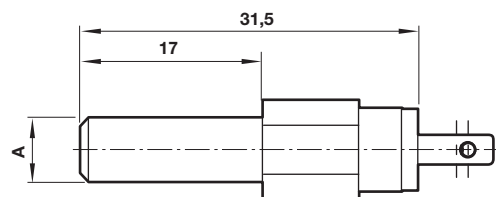
Pin no.	Wire colour	Socket	Pilot	Station
1	White	Solenoid 1-a	14	1
2	Brown	Solenoid 2-a	14	2
3	Green	Solenoid 3-a	14	3
4	Yellow	Solenoid 4-a	14	4
5	Grey	Solenoid 5-a	14	5
6	Pink	Solenoid 6-a	14	6
7	Blue	Solenoid 7-a	14	7
8	Red	Solenoid 8-a	14	8
9	Black	Solenoid 9-a	14	9
10	Violet	Solenoid 10-a	14	10
11	Grey/Pink	Solenoid 11-a	14	11
12	Red/Blue	Solenoid 12-a	14	12
13	White/Green	Solenoid 13-a	14	13
14	Brown/Green	Solenoid 14-a	14	14
15	White/Yellow	Solenoid 15-a	14	15
16	Yellow/Brown	Solenoid 1-b	12	1
17	White/Grey	Solenoid 2-b	12	2
18	Grey/Brown	Solenoid 3-b	12	3
19	White/Pink	Solenoid 4-b	12	4
20	Pink/Brown	Solenoid 5-b	12	5
21	White/Blue	Solenoid 6-b	12	6
22	Brown/Blue	Solenoid 7-b	12	7
23	White/Red	Solenoid 8-b	12	8
24	Brown/Red	Solenoid 9-b	12	9
25	White/Black	Solenoid 10-b	12	10
26	Brown/Black	Solenoid 11-b	12	11
27	Grey/Green	Solenoid 12-b	12	12
28	Yellow/Grey	Solenoid 13-b	12	13
29	Pink/Green	Solenoid 14-b	12	14
30	Yellow/Pink	Solenoid 15-b	12	15
31	Green/Blue	Solenoid 16-a	14	16
32	Yellow/Blue	Solenoid 16-b	12	16
33	-	Not used	-	-
34	-	Not used	-	-
35	-	Not used	-	-
36	-	Not used	-	-
37	-	Not used	-	-
38	-	Not used	-	-
39	-	Not used	-	-
40	-	Not used	-	-
41	-	Not used	-	-
42	-	Not used	-	-
43	-	Not used	-	-
44	Red/Black Yellow/Black	Common -Ve	-	-

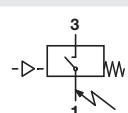
Pressure switch for pilot ports 12 & 14

Dimensions in mm
Projection/First angle

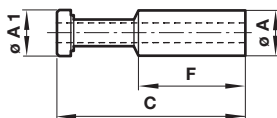


Voltage:	24 V d.c.
Pressure range:	0 ... 10 bar
Switching point rising pressure:	3 ... 5 bar
Switch point falling pressure:	2,5 ... 3,7 bar
AMP E-terminals:	2,8 x 0,8
Degree of protection:	IP00
Adjustment:	None



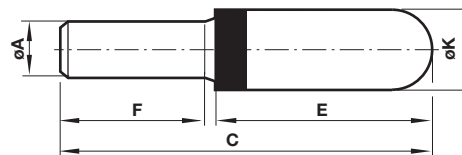
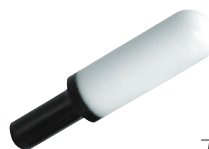
Symbol	A	Short code	Weight (kg)	Model
	6	7B	0,004	VM106517AQ0806

Plug C0004



Ø A	Ø A1	C	F	Model
6	6	34	18,5	C00040600
8	8	38	21	C00040800
10	10	42	24	C00041000
12	12	46	29,5	C00041200

Silencer



Ø A	C	E	F	Ø K	Model
6	45	24,5	17	12,5	T45P0006
8	43,5	22	19	13,5	T45P0008
10	57,5	31	23	15,5	T45P0010
12	82	53	25	18,5	T45P0012

Short codes for valve island specifications

Description	Manual override	Short code	Model
2 x 3/2 - 2 x NC - Internal feed valve 6 mm PIF	Turn & lock	NA6T	VM156A11AB213B
2 x 3/2 - 2 x NC - Internal feed valve 6 mm PIF	Push only	NA6U	VM156A11AB313B
2 x 3/2 - 2 x NC - Internal feed valve 8 mm PIF	Turn & lock	NA8T	VM158A11AB213B
2 x 3/2 - 2 x NC - Internal feed valve 8 mm PIF	Push only	NA8U	VM158A11AB313B
2 x 3/2 - 2 x NC - Internal feed valve 10 mm PIF	Turn & lock	NA1T	VM15YA11AB213B
2 x 3/2 - 2 x NC - Internal feed valve 10 mm PIF	Push only	NA1U	VM15YA11AB313B
2 x 3/2 - 2 x NC - External feed valve 6 mm PIF	Turn & lock	ND6T	VM156A22AB213B
2 x 3/2 - 2 x NC - External feed valve 6 mm PIF	Push only	ND6U	VM156A22AB313B
2 x 3/2 - 2 x NC - External feed valve 8 mm PIF	Turn & lock	ND8T	VM158A22AB213B
2 x 3/2 - 2 x NC - External feed valve 8 mm PIF	Push only	ND8U	VM158A22AB313B
2 x 3/2 - 2 x NC - External feed valve 10 mm PIF	Turn & lock	ND1T	VM15YA22AB213B
2 x 3/2 - 2 x NC - External feed valve 10 mm PIF	Push only	ND1U	VM15YA22AB313B
2 x 3/2 - 2 x NO - Internal feed valve 6 mm PIF	Turn & lock	NB6T	VM156B11AB213B
2 x 3/2 - 2 x NO - Internal feed valve 6 mm PIF	Push only	NB6U	VM156B11AB313B
2 x 3/2 - 2 x NO - Internal feed valve 8 mm PIF	Turn & lock	NB8T	VM158B11AB213B
2 x 3/2 - 2 x NO - Internal feed valve 8 mm PIF	Push only	NB8U	VM158B11AB313B
2 x 3/2 - 2 x NO - Internal feed valve 10 mm PIF	Turn & lock	NB1T	VM15YB11AB213B
2 x 3/2 - 2 x NO - Internal feed valve 10 mm PIF	Push only	NB1U	VM15YB11AB313B
2 x 3/2 - 2 x NO - External feed valve 6 mm PIF	Turn & lock	NE6T	VM156B22AB213B
2 x 3/2 - 2 x NO - External feed valve 6 mm PIF	Push only	NE6U	VM156B22AB313B
2 x 3/2 - 2 x NO - External feed valve 8 mm PIF	Turn & lock	NE8T	VM158B22AB213B
2 x 3/2 - 2 x NO - External feed valve 8 mm PIF	Push only	NE8U	VM158B22AB313B
2 x 3/2 - 2 x NO - External feed valve 10 mm PIF	Turn & lock	NE1T	VM15YB22AB213B
2 x 3/2 - 2 x NO - External feed valve 10 mm PIF	Push only	NE1U	VM15YB22AB313B

Short codes for valve island specifications

Description	Manual override	Short code	Model
2 x 3/2 - 1 x NC + 1 x NO - Internal feed valve 6 mm PIF	Turn & lock	NC6T	VM156C11AB213B
2 x 3/2 - 1 x NC + 1 x NO - Internal feed valve 6 mm PIF	Push only	NC6U	VM156C11AB313B
2 x 3/2 - 1 x NC + 1 x NO - Internal feed valve 8 mm PIF	Turn & lock	NC8T	VM158C11AB213B
2 x 3/2 - 1 x NC + 1 x NO - Internal feed valve 8 mm PIF	Push only	NC8U	VM158C11AB313B
2 x 3/2 - 1 x NC + 1 x NO - Internal feed valve 10 mm PIF	Turn & lock	NC1T	VM15YC11AB213B
2 x 3/2 - 1 x NC + 1 x NO - Internal feed valve 10 mm PIF	Push only	NC1U	VM15YC11AB313B
2 x 3/2 - 1 x NC + 1 x NO - External feed valve 6 mm PIF	Turn & lock	NF6T	VM156C22AB213B
2 x 3/2 - 1 x NC + 1 x NO - External feed valve 6 mm PIF	Push only	NF6U	VM156C22AB313B
2 x 3/2 - 1 x NC + 1 x NO - External feed valve 8 mm PIF	Turn & lock	NF8T	VM158C22AB213B
2 x 3/2 - 1 x NC + 1 x NO - External feed valve 8 mm PIF	Push only	NF8U	VM158C22AB313B
2 x 3/2 - 1 x NC + 1 x NO - External feed valve 10 mm PIF	Turn & lock	NF1T	VM15YC22AB213B
2 x 3/2 - 1 x NC + 1 x NO - External feed valve 10 mm PIF	Push only	NF1U	VM15YC22AB313B
5/2 Solenoid Spring - Internal feed valve 6 mm PIF	Turn & lock	NG6T	VM156517AB213B
5/2 Solenoid Spring - Internal feed valve 6 mm PIF	Push only	NG6U	VM156517AB313B
5/2 Solenoid Spring - Internal feed valve 8 mm PIF	Turn & lock	NG8T	VM158517AB213B
5/2 Solenoid Spring - Internal feed valve 8 mm PIF	Push only	NG8U	VM158517AB313B
5/2 Solenoid Spring - Internal feed valve 10 mm PIF	Turn & lock	NG1T	VM15Y517AB213B
5/2 Solenoid Spring - Internal feed valve 10 mm PIF	Push only	NG1U	VM15Y517AB313B
5/2 Solenoid Spring - External feed valve 6 mm PIF	Turn & lock	NH6T	VM156527AB213B
5/2 Solenoid Spring - External feed valve 6 mm PIF	Push only	NH6U	VM156527AB313B
5/2 Solenoid Spring - External feed valve 8 mm PIF	Turn & lock	NH8T	VM158527AB213B
5/2 Solenoid Spring - External feed valve 8 mm PIF	Push only	NH8U	VM158527AB313B
5/2 Solenoid Spring - External feed valve 10 mm PIF	Turn & lock	NH1T	VM15Y527AB213B
5/2 Solenoid Spring - External feed valve 10 mm PIF	Push only	NH1U	VM15Y527AB313B

Short codes for valve island specifications

Description	Manual override	Short code	Model
5/2 Solenoid Solenoid - Internal feed valve 6 mm PIF	Turn & lock	NJ6T	VM156511AB213B
5/2 Solenoid Solenoid - Internal feed valve 6 mm PIF	Push only	NJ6U	VM156511AB313B
5/2 Solenoid Solenoid - Internal feed valve 8 mm PIF	Turn & lock	NJ8T	VM158511AB213B
5/2 Solenoid Solenoid - Internal feed valve 8 mm PIF	Push only	NJ8U	VM158511AB313B
5/2 Solenoid Solenoid - Internal feed valve 10 mm PIF	Turn & lock	NJ1T	VM15Y511AB213B
5/2 Solenoid Solenoid - Internal feed valve 10 mm PIF	Push only	NJ1U	VM15Y511AB313B
5/2 Solenoid Solenoid - External feed valve 6 mm PIF	Turn & lock	NK6T	VM156522AB213B
5/2 Solenoid Solenoid - External feed valve 6 mm PIF	Push only	NK6U	VM156522AB313B
5/2 Solenoid Solenoid - External feed valve 8 mm PIF	Turn & lock	NK8T	VM158522AB213B
5/2 Solenoid Solenoid - External feed valve 8 mm PIF	Push only	NK8U	VM158522AB313B
5/2 Solenoid Solenoid - External feed valve 10 mm PIF	Turn & lock	NK1T	VM15Y522AB213B
5/2 Solenoid Solenoid - External feed valve 10 mm PIF	Push only	NK1U	VM15Y522AB313B
5/3 APB Solenoid Solenoid - Internal feed valve 6 mm PIF	Turn & lock	NL6T	VM156611AB213B
5/3 APB Solenoid Solenoid - Internal feed valve 6 mm PIF	Push only	NL6U	VM156611AB313B
5/3 APB Solenoid Solenoid - Internal feed valve 8 mm PIF	Turn & lock	NL8T	VM158611AB213B
5/3 APB Solenoid Solenoid - Internal feed valve 8 mm PIF	Push only	NL8U	VM158611AB313B
5/3 APB Solenoid Solenoid - Internal feed valve 10 mm PIF	Turn & lock	NL1T	VM15Y611AB213B
5/3 APB Solenoid Solenoid - Internal feed valve 10 mm PIF	Push only	NL1U	VM15Y611AB313B
5/3 APB Solenoid Solenoid - External feed valve 6 mm PIF	Turn & lock	NM6T	VM156622AB213B
5/3 APB Solenoid Solenoid - External feed valve 6 mm PIF	Push only	NM6U	VM156622AB313B
5/3 APB Solenoid Solenoid - External feed valve 8 mm PIF	Turn & lock	NM8T	VM158622AB213B
5/3 APB Solenoid Solenoid - External feed valve 8 mm PIF	Push only	NM8U	VM158622AB313B
5/3 APB Solenoid Solenoid - External feed valve 10 mm PIF	Turn & lock	NM1T	VM15Y622AB213B
5/3 APB Solenoid Solenoid - External feed valve 10 mm PIF	Push only	NM1U	VM15Y622AB313B

Short codes for valve island specifications

Description		Short code	Model
End plate kit - feed both ends	12 mm	F200	VM156517AQ010Z
End plate kit - feed both ends	10 mm	F100	VM156517AQ010Y
End plate kit - right blocked	12 mm	L200	VM156517AQ011Z
End plate kit - right blocked	10 mm	L100	VM156517AQ011Y
End plate kit - left blocked	12 mm	R200	VM156517AQ012Z
End plate kit - left blocked	10 mm	R100	VM156517AQ012Y
Blank body	B000		VM156517AQ0300
Port 1 blanked	B100		VM156517AQ0301
Ports 3 & 5 blanked	B300		VM156517AQ0302
Ports 1, 3 & 5 blanked	B500		VM156517AQ0303
ISEM Feed right	RM80		VM156517AQ0304
ISEM Feed left	LM80		VM156517AQ0305
ISEM Feed right & left	FM80		VM156517AQ0306

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »Technical features/data«. Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult Norgren. Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

Please be aware that any unauthorised interference/tampering of the product and/or use contrary to any of the manufacturer's instructions may invalidate the product warranty.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

VS26 series, 2 x 2/2, 2 x 3/2, 5/2 or 5/3 ISO valve islands



Modular system
offering a wide range of
configuration options
conforming to ISO
15407-2, Size 26 mm

24 V d.c. or 115 V a.c.
Multipole and single
station sub-base

Integrated Fieldbus,
Industrial Ethernet and
IO-Link

Fieldbus expandable
with single add-on
stations, Industrial
Ethernet and IO-Link
expandable with
double add-on stations.

**Wide range of
accessories including
shut off valves enabling
non-stop operation**

Dual spool technology
- Glandless spool and
sleeve for long life
- Softseal spool for
high flow

Up to 40 solenoids,
operating at 16 bar
pressure

UL and ATEX



DeviceNet
EtherNet/IP

IO-Link
CANopen



Technical features

Medium:

Compressed air, filtered to 40
µm, lubricated or non-lubricated

Operation:

VS26G: Glandless spool valve,
solenoid pilot actuated
VS26S: Softseal spool valve,
solenoid pilot actuated

Flow:

Softseal

Function	l/min	Cv	Kv
2 x 2/2	1150	1,17	1,00
2 x 3/2	1250	1,27	1,09
5/2; 5/3	1350	1,37	1,18

Glandless

Function	l/min	Cv	Kv
5/2; 5/3	1000	1,02	0,87

Mounting:

Sub-base

Ports 2+4:

G1/4, NPTF 1/4, PIF 10 mm,
PIF 8 mm, PIF 3/8

Operating pressure:

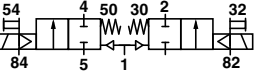
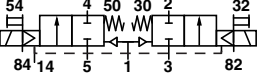
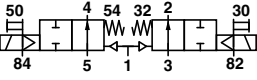
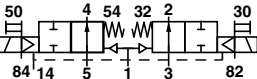
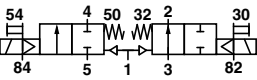
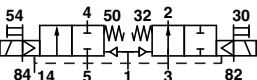
Maximum pressure
10 bar (145 psi) VS26S models
and VS26G solenoid pilot
actuated valves with internal
pilot supply 16 bar (232 psi)
VS26G solenoid pilot actuated
valves with external pilot supply.
Details of minimum and maxi-
mum pilot pressure see overleaf
Media/Ambient temperature:
-15 ... +50°C (+5 ... 122°F)
(Ambient)
-5 ... +50°C (+23 ... 122°F)
(Media)

Air supply must be dry enough to
avoid ice formation at tempera-
tures below +2°C (+35°F).

Materials:

Body/sub-base:
die-cast aluminium
Glandless spool & sleeve
(VS26G):
aluminium, hard anodised,
PTFE coated
Softseal spool (VS26S):
aluminium with HNBR seals
Plastic parts: POM, PA, PPA
Mounting sheets/screws:
steel, zinc coated
Springs: stainless steel
Sandwich plates: aluminium bar
material, PA
Electrical contacts:
brass, tin gold coated
PCB: glass epoxy

2 x 2/2 Double solenoid actuated softseal valves (flow 1150 l/min)

Symbol	Function 2 x 2/2	Actuation/ return	Pilot supply	Pilot pressure (bar)	Operating pressure (bar)	Manual override	Voltage	Model
	NC	Sol/Spring	Internal	3 ... 10 *1)	-0,9 ... 10	Push only	24 V d.c. 1,2 W	VS26SE11DF313A
	NC	Sol/Spring	Internal	3 ... 10 *1)	-0,9 ... 10	Push only	115 V a.c. 1,5 VA	VS26SE11DF318A
	NC	Sol/Spring	Internal	3 ... 10 *1)	-0,9 ... 10	Push & turn	24 V d.c. 1,2 W	VS26SE11DF213A
	NC	Sol/Spring	Internal	3 ... 10 *1)	-0,9 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26SE11DF218A
	NC	Sol/Spring	Internal	3 ... 10 *1)	-0,9 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26SE11DF513A
	NC	Sol/Spring	Internal	3 ... 10 *1)	-0,9 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26SE11DF518A
	NC	Sol/Spring	External	1,7 + (0,35 x press. port 1) *2)	-0,9 ... 10	Push only	24 V d.c. 1,2 W	VS26SE22DF313A
	NC	Sol/Spring	External	1,7 + (0,35 x press. port 1) *2)	-0,9 ... 10	Push only	115 V a.c. 1,5 VA	VS26SE22DF318A
	NC	Sol/Spring	External	1,7 + (0,35 x press. port 1) *2)	-0,9 ... 10	Push & turn	24 V d.c. 1,2 W	VS26SE22DF213A
	NC	Sol/Spring	External	1,7 + (0,35 x press. port 1) *2)	-0,9 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26SE22DF218A
	NC	Sol/Spring	External	1,7 + (0,35 x press. port 1) *2)	-0,9 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26SE22DF513A
	NC	Sol/Spring	External	1,7 + (0,35 x press. port 1) *2)	-0,9 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26SE22DF518A
	NO	Sol/Spring	Internal	3 ... 10 *1)	-0,9 ... 10	Push only	24 V d.c. 1,2 W	VS26SF11DF313A
	NO	Sol/Spring	Internal	3 ... 10 *1)	-0,9 ... 10	Push only	115 V a.c. 1,5 VA	VS26SF11DF318A
	NO	Sol/Spring	Internal	3 ... 10 *1)	-0,9 ... 10	Push & turn	24 V d.c. 1,2 W	VS26SF11DF213A
	NO	Sol/Spring	Internal	3 ... 10 *1)	-0,9 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26SF11DF218A
	NO	Sol/Spring	Internal	3 ... 10 *1)	-0,9 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26SF11DF513A
	NO	Sol/Spring	Internal	3 ... 10 *1)	-0,9 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26SF11DF518A
	NO	Sol/Spring	External	1,7 + (0,35 x press. port 1) *2)	-0,9 ... 10	Push only	24 V d.c. 1,2 W	VS26SF22DF313A
	NO	Sol/Spring	External	1,7 + (0,35 x press. port 1) *2)	-0,9 ... 10	Push only	115 V a.c. 1,5 VA	VS26SF22DF318A
	NO	Sol/Spring	External	1,7 + (0,35 x press. port 1) *2)	-0,9 ... 10	Push & turn	24 V d.c. 1,2 W	VS26SF22DF213A
	NO	Sol/Spring	External	1,7 + (0,35 x press. port 1) *2)	-0,9 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26SF22DF218A
	NO	Sol/Spring	External	1,7 + (0,35 x press. port 1) *2)	-0,9 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26SF22DF513A
	NO	Sol/Spring	External	1,7 + (0,35 x press. port 1) *2)	-0,9 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26SF22DF518A
	NO/NC	Sol/Spring	Internal	3 ... 10 *1)	-0,9 ... 10	Push only	24 V d.c. 1,2 W	VS26SG11DF313A
	NO/NC	Sol/Spring	Internal	3 ... 10 *1)	-0,9 ... 10	Push only	115 V a.c. 1,5 VA	VS26SG11DF318A
	NO/NC	Sol/Spring	Internal	3 ... 10 *1)	-0,9 ... 10	Push & turn	24 V d.c. 1,2 W	VS26SG11DF213A
	NO/NC	Sol/Spring	Internal	3 ... 10 *1)	-0,9 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26SG11DF218A
	NO/NC	Sol/Spring	Internal	3 ... 10 *1)	-0,9 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26SG11DF513A
	NO/NC	Sol/Spring	Internal	3 ... 10 *1)	-0,9 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26SG11DF518A
	NO/NC	Sol/Spring	External	1,7 + (0,35 x press. port 1) *2)	-0,9 ... 10	Push only	24 V d.c. 1,2 W	VS26SG22DF313A
	NO/NC	Sol/Spring	External	1,7 + (0,35 x press. port 1) *2)	-0,9 ... 10	Push only	115 V a.c. 1,5 VA	VS26SG22DF318A
	NO/NC	Sol/Spring	External	1,7 + (0,35 x press. port 1) *2)	-0,9 ... 10	Push & turn	24 V d.c. 1,2 W	VS26SG22DF213A
	NO/NC	Sol/Spring	External	1,7 + (0,35 x press. port 1) *2)	-0,9 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26SG22DF218A
	NO/NC	Sol/Spring	External	1,7 + (0,35 x press. port 1) *2)	-0,9 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26SG22DF513A
	NO/NC	Sol/Spring	External	1,7 + (0,35 x press. port 1) *2)	-0,9 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26SG22DF518A

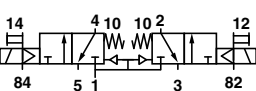
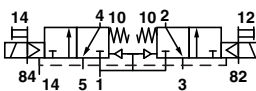
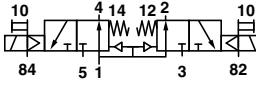
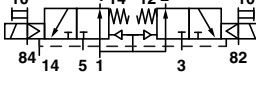
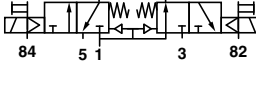
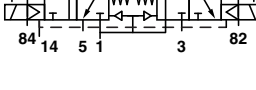
Valve dimensions see page 9

NO = Normally open, NC = Normally closed

*1) Pilot air supply through port 1

*2) Pilot air supply through port 12/14

2 x 3/2 Double solenoid actuated softseal valves (flow 1250 l/min)

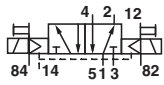
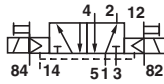
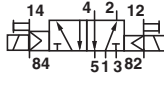
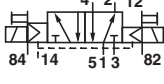
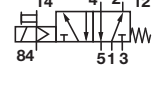
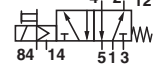
Symbol	Function 2 x 3/2	Actuation/return	Pilot supply	Pilot pressure (bar)	Operating pressure (bar)	Manual override	Voltage	Model
	NC	Sol/Spring	Internal	-	3 ... 10	Push only	24 V d.c. 1,2 W	VS26SA11DF313A
	NC	Sol/Spring	Internal	-	3 ... 10	Push only	115 V a.c. 1,5 VA	VS26SA11DF318A
	NC	Sol/Spring	Internal	-	3 ... 10	Push & turn	24 V d.c. 1,2 W	VS26SA11DF213A
	NC	Sol/Spring	Internal	-	3 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26SA11DF218A
	NC	Sol/Spring	Internal	-	3 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26SA11DF513A
	NC	Sol/Spring	Internal	-	3 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26SA11DF518A
	NC	Sol/Spring	External	1,7 + (0,5 x op. press.)	0 ... 10	Push only	24 V d.c. 1,2 W	VS26SA22DF313A
	NC	Sol/Spring	External	1,7 + (0,5 x op. press.)	0 ... 10	Push only	115 V a.c. 1,5 VA	VS26SA22DF318A
	NC	Sol/Spring	External	1,7 + (0,5 x op. press.)	0 ... 10	Push & turn	24 V d.c. 1,2 W	VS26SA22DF213A
	NC	Sol/Spring	External	1,7 + (0,5 x op. press.)	0 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26SA22DF218A
	NC	Sol/Spring	External	1,7 + (0,5 x op. press.)	0 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26SA22DF513A
	NC	Sol/Spring	External	1,7 + (0,5 x op. press.)	0 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26SA22DF518A
	NO	Sol/Spring	Internal	-	3 ... 10	Push only	24 V d.c. 1,2 W	VS26SB11DF313A
	NO	Sol/Spring	Internal	-	3 ... 10	Push only	115 V a.c. 1,5 VA	VS26SB11DF318A
	NO	Sol/Spring	Internal	-	3 ... 10	Push & turn	24 V d.c. 1,2 W	VS26SB11DF213A
	NO	Sol/Spring	Internal	-	3 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26SB11DF218A
	NO	Sol/Spring	Internal	-	3 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26SB11DF513A
	NO	Sol/Spring	Internal	-	3 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26SB11DF518A
	NO	Sol/Spring	External	1,7 + (0,5 x op. press.)	0 ... 10	Push only	24 V d.c. 1,2 W	VS26SB22DF313A
	NO	Sol/Spring	External	1,7 + (0,5 x op. press.)	0 ... 10	Push only	115 V a.c. 1,5 VA	VS26SB22DF318A
	NO	Sol/Spring	External	1,7 + (0,5 x op. press.)	0 ... 10	Push & turn	24 V d.c. 1,2 W	VS26SB22DF213A
	NO	Sol/Spring	External	1,7 + (0,5 x op. press.)	0 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26SB22DF218A
	NO	Sol/Spring	External	1,7 + (0,5 x op. press.)	0 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26SB22DF513A
	NO	Sol/Spring	External	1,7 + (0,5 x op. press.)	0 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26SB22DF518A
	NO/NC	Sol/Spring	Internal	-	3 ... 10	Push only	24 V d.c. 1,2 W	VS26SC11DF313A
	NO/NC	Sol/Spring	Internal	-	3 ... 10	Push only	115 V a.c. 1,5 VA	VS26SC11DF318A
	NO/NC	Sol/Spring	Internal	-	3 ... 10	Push & turn	24 V d.c. 1,2 W	VS26SC11DF213A
	NO/NC	Sol/Spring	Internal	-	3 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26SC11DF218A
	NO/NC	Sol/Spring	Internal	-	3 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26SC11DF513A
	NO/NC	Sol/Spring	Internal	-	3 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26SC11DF518A
	NO/NC	Sol/Spring	External	1,7 + (0,5 x op. press.)	0 ... 10	Push only	24 V d.c. 1,2 W	VS26SC22DF313A
	NO/NC	Sol/Spring	External	1,7 + (0,5 x op. press.)	0 ... 10	Push only	115 V a.c. 1,5 VA	VS26SC22DF318A
	NO/NC	Sol/Spring	External	1,7 + (0,5 x op. press.)	0 ... 10	Push & turn	24 V d.c. 1,2 W	VS26SC22DF213A
	NO/NC	Sol/Spring	External	1,7 + (0,5 x op. press.)	0 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26SC22DF218A
	NO/NC	Sol/Spring	External	1,7 + (0,5 x op. press.)	0 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26SC22DF513A
	NO/NC	Sol/Spring	External	1,7 + (0,5 x op. press.)	0 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26SC22DF518A

Valve dimensions see page 9

Valve function:

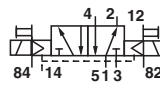
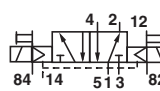
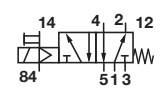
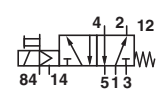
NO = Normally open, NC = Normally closed

5/2 Single and double solenoid actuated glandless valves (flow 1000 l/min)

Symbol	Actuation/ return	Pilot supply	Pilot pressure (bar)	Operating pressure (bar)	Manual override	Voltage	Model
	Sol/Sol	Internal	–	2 ... 10	Push only	24 V d.c. 1,2 W	VS26G511DF313A
	Sol/Sol	Internal	–	2 ... 10	Push only	115 V a.c. 1,5 VA	VS26G511DF318A
	Sol/Sol	Internal	–	2 ... 10	Push & turn	24 V d.c. 1,2 W	VS26G511DF213A
	Sol/Sol	Internal	–	2 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26G511DF218A
	Sol/Sol	Internal	–	2 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26G511DF513A
	Sol/Sol	Internal	–	2 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26G511DF518A
	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push only	24 V d.c. 1,2 W	VS26G522DF313A
	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push only	115 V a.c. 1,5 VA	VS26G522DF318A
	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push & turn	24 V d.c. 1,2 W	VS26G522DF213A
	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push & turn	115 V a.c. 1,5 VA	VS26G522DF218A
	Sol/Sol	External	2 ... 10	-0,9 ... 16	Extended, push only	24 V d.c. 1,2 W	VS26G522DF513A
	Sol/Sol	External	2 ... 10	-0,9 ... 16	Extended, push only	115 V a.c. 1,5 VA	VS26G522DF518A
	Sol (Priority)/Sol	Internal	–	2 ... 10	Push only	24 V d.c. 1,2 W	VS26G591DF313A
	Sol (Priority)/Sol	Internal	–	2 ... 10	Push only	115 V a.c. 1,5 VA	VS26G591DF318A
	Sol (Priority)/Sol	Internal	–	2 ... 10	Push & turn	24 V d.c. 1,2 W	VS26G591DF213A
	Sol (Priority)/Sol	Internal	–	2 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26G591DF218A
	Sol (Priority)/Sol	Internal	–	2 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26G591DF513A
	Sol (Priority)/Sol	Internal	–	2 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26G591DF518A
	Sol (Priority)/Sol	External	2 ... 10	-0,9 ... 16	Push only	24 V d.c. 1,2 W	VS26G592DF313A
	Sol (Priority)/Sol	External	2 ... 10	-0,9 ... 16	Push only	115 V a.c. 1,5 VA	VS26G592DF318A
	Sol (Priority)/Sol	External	2 ... 10	-0,9 ... 16	Push & turn	24 V d.c. 1,2 W	VS26G592DF213A
	Sol (Priority)/Sol	External	2 ... 10	-0,9 ... 16	Push & turn	115 V a.c. 1,5 VA	VS26G592DF218A
	Sol (Priority)/Sol	External	2 ... 10	-0,9 ... 16	Extended, push only	24 V d.c. 1,2 W	VS26G592DF513A
	Sol (Priority)/Sol	External	2 ... 10	-0,9 ... 16	Extended, push only	115 V a.c. 1,5 VA	VS26G592DF518A
	Sol/Spring	Internal	–	1,6 ... 10	Push only	24 V d.c. 1,2 W	VS26G517DF313A
	Sol/Spring	Internal	–	1,6 ... 10	Push only	115 V a.c. 1,5 VA	VS26G517DF318A
	Sol/Spring	Internal	–	1,6 ... 10	Push & turn	24 V d.c. 1,2 W	VS26G517DF213A
	Sol/Spring	Internal	–	1,6 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26G517DF218A
	Sol/Spring	Internal	–	1,6 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26G517DF513A
	Sol/Spring	Internal	–	1,6 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26G517DF518A
	Sol/Spring	External	1,6 ... 10	-0,9 ... 16	Push only	24 V d.c. 1,2 W	VS26G527DF313A
	Sol/Spring	External	1,6 ... 10	-0,9 ... 16	Push only	115 V a.c. 1,5 VA	VS26G527DF318A
	Sol/Spring	External	1,6 ... 10	-0,9 ... 16	Push & turn	24 V d.c. 1,2 W	VS26G527DF213A
	Sol/Spring	External	1,6 ... 10	-0,9 ... 16	Push & turn	115 V a.c. 1,5 VA	VS26G527DF218A
	Sol/Spring	External	1,6 ... 10	-0,9 ... 16	Extended, push only	24 V d.c. 1,2 W	VS26G527DF513A
	Sol/Spring	External	1,6 ... 10	-0,9 ... 16	Extended, push only	115 V a.c. 1,5 VA	VS26G527DF518A

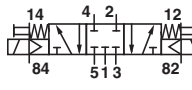
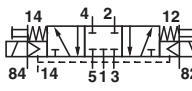
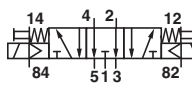
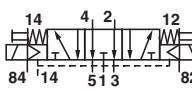
Valve dimensions see page 9

5/2 Single and double solenoid actuated softseal valves (flow 1350 l/min)

Symbol	Actuation/ return	Pilot supply	Pilot pressure (bar)	Operating pressure (bar)	Manual over- ride	Voltage	Model
	Sol/Sol	Internal	–	2 ... 10	Push only	24 V d.c. 1,2 W	VS26S511DF313A
	Sol/Sol	Internal	–	2 ... 10	Push only	115 V a.c. 1,5 VA	VS26S511DF318A
	Sol/Sol	Internal	–	2 ... 10	Push & turn	24 V d.c. 1,2 W	VS26S511DF213A
	Sol/Sol	Internal	–	2 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26S511DF218A
	Sol/Sol	Internal	–	2 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26S511DF513A
	Sol/Sol	Internal	–	2 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26S511DF518A
	Sol/Sol	External	2 ... 10	-0,9 ... 10	Push only	24 V d.c. 1,2 W	VS26S522DF313A
	Sol/Sol	External	2 ... 10	-0,9 ... 10	Push only	115 V a.c. 1,5 VA	VS26S522DF318A
	Sol/Sol	External	2 ... 10	-0,9 ... 10	Push & turn	24 V d.c. 1,2 W	VS26S522DF213A
	Sol/Sol	External	2 ... 10	-0,9 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26S522DF218A
	Sol/Sol	External	2 ... 10	-0,9 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26S522DF513A
	Sol/Sol	External	2 ... 10	-0,9 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26S522DF518A
	Sol/Spring	Internal	–	2 ... 10	Push only	24 V d.c. 1,2 W	VS26S517DF313A
	Sol/Spring	Internal	–	2 ... 10	Push only	115 V a.c. 1,5 VA	VS26S517DF318A
	Sol/Spring	Internal	–	2 ... 10	Push & turn	24 V d.c. 1,2 W	VS26S517DF213A
	Sol/Spring	Internal	–	2 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26S517DF218A
	Sol/Spring	Internal	–	2 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26S517DF513A
	Sol/Spring	Internal	–	2 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26S517DF518A
	Sol/Spring	External	2 ... 10	-0,9 ... 10	Push only	24 V d.c. 1,2 W	VS26S527DF313A
	Sol/Spring	External	2 ... 10	-0,9 ... 10	Push only	115 V a.c. 1,5 VA	VS26S527DF318A
	Sol/Spring	External	2 ... 10	-0,9 ... 10	Push & turn	24 V d.c. 1,2 W	VS26S527DF213A
	Sol/Spring	External	2 ... 10	-0,9 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26S527DF218A
	Sol/Spring	External	2 ... 10	-0,9 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26S527DF513A
	Sol/Spring	External	2 ... 10	-0,9 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26S527DF518A

Valve dimensions see page 9

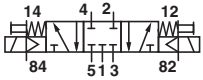
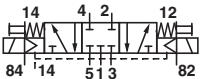
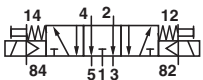
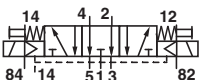
5/3 Double solenoid actuated glandless valves (flow 1000 l/min)

Symbol	Function	Actuation/ return	Pilot supply	Pilot pressure (bar)	Operating pressure (bar)	Manual over- ride	Voltage	Model
	APB	Sol/Sol	Internal	–	2 ... 10	Push only	24 V d.c. 1,2 W	VS26G611DF313A
	APB	Sol/Sol	Internal	–	2 ... 10	Push only	115 V a.c. 1,5 VA	VS26G611DF318A
	APB	Sol/Sol	Internal	–	2 ... 10	Push & turn	24 V d.c. 1,2 W	VS26G611DF213A
	APB	Sol/Sol	Internal	–	2 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26G611DF218A
	APB	Sol/Sol	Internal	–	2 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26G611DF513A
	APB	Sol/Sol	Internal	–	2 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26G611DF518A
	APB	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push only	24 V d.c. 1,2 W	VS26G622DF313A
	APB	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push only	115 V a.c. 1,5 VA	VS26G622DF318A
	APB	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push & turn	24 V d.c. 1,2 W	VS26G622DF213A
	APB	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push & turn	115 V a.c. 1,5 VA	VS26G622DF218A
	APB	Sol/Sol	External	2 ... 10	-0,9 ... 16	Extended, push only	24 V d.c. 1,2 W	VS26G622DF513A
	APB	Sol/Sol	External	2 ... 10	-0,9 ... 16	Extended, push only	115 V a.c. 1,5 VA	VS26G622DF518A
	COE	Sol/Sol	Internal	–	2 ... 10	Push only	24 V d.c. 1,2 W	VS26G711DF313A
	COE	Sol/Sol	Internal	–	2 ... 10	Push only	115 V a.c. 1,5 VA	VS26G711DF318A
	COE	Sol/Sol	Internal	–	2 ... 10	Push & turn	24 V d.c. 1,2 W	VS26G711DF213A
	COE	Sol/Sol	Internal	–	2 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26G711DF218A
	COE	Sol/Sol	Internal	–	2 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26G711DF513A
	COE	Sol/Sol	Internal	–	2 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26G711DF518A
	COE	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push only	24 V d.c. 1,2 W	VS26G722DF313A
	COE	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push only	115 V a.c. 1,5 VA	VS26G722DF318A
	COE	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push & turn	24 V d.c. 1,2 W	VS26G722DF213A
	COE	Sol/Sol	External	2 ... 10	-0,9 ... 16	Push & turn	115 V a.c. 1,5 VA	VS26G722DF218A
	COE	Sol/Sol	External	2 ... 10	-0,9 ... 16	Extended, push only	24 V d.c. 1,2 W	VS26G722DF513A
	COE	Sol/Sol	External	2 ... 10	-0,9 ... 16	Extended, push only	115 V a.c. 1,5 VA	VS26G722DF518A

Valve dimensions see page 9

APB = All Ports Blocked COE = Centre Open Exhaust

5/3 Double solenoid actuated softseal valves (flow 1350 l/min)

Symbol	Function	Actuation/ return	Pilot supply	Pilot pressure (bar)	Operating pressure (bar)	Manual override	Voltage	Model
	APB	Sol/Sol	Internal	–	2,5 ... 10	Push only	24 V d.c. 1,2 W	VS26S611DF313A
	APB	Sol/Sol	Internal	–	2,5 ... 10	Push only	115 V a.c. 1,5 VA	VS26S611DF318A
	APB	Sol/Sol	Internal	–	2,5 ... 10	Push & turn	24 V d.c. 1,2 W	VS26S611DF213A
	APB	Sol/Sol	Internal	–	2,5 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26S611DF218A
	APB	Sol/Sol	Internal	–	2,5 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26S611DF513A
	APB	Sol/Sol	Internal	–	2,5 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26S611DF518A
	APB	Sol/Sol	External	2,5 ... 10	-0,9 ... 10	Push only	24 V d.c. 1,2 W	VS26S622DF313A
	APB	Sol/Sol	External	2,5 ... 10	-0,9 ... 10	Push only	115 V a.c. 1,5 VA	VS26S622DF318A
	APB	Sol/Sol	External	2,5 ... 10	-0,9 ... 10	Push & turn	24 V d.c. 1,2 W	VS26S622DF213A
	APB	Sol/Sol	External	2,5 ... 10	-0,9 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26S622DF218A
	APB	Sol/Sol	External	2,5 ... 10	-0,9 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26S622DF513A
	APB	Sol/Sol	External	2,5 ... 10	-0,9 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26S622DF518A
	COE	Sol/Sol	Internal	–	2,5 ... 10	Push only	24 V d.c. 1,2 W	VS26S711DF313A
	COE	Sol/Sol	Internal	–	2,5 ... 10	Push only	115 V a.c. 1,5 VA	VS26S711DF318A
	COE	Sol/Sol	Internal	–	2,5 ... 10	Push & turn	24 V d.c. 1,2 W	VS26S711DF213A
	COE	Sol/Sol	Internal	–	2,5 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26S711DF218A
	COE	Sol/Sol	Internal	–	2,5 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26S711DF513A
	COE	Sol/Sol	Internal	–	2,5 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26S711DF518A
	COE	Sol/Sol	External	2,5 ... 10	-0,9 ... 10	Push only	24 V d.c. 1,2 W	VS26S722DF313A
	COE	Sol/Sol	External	2,5 ... 10	-0,9 ... 10	Push only	115 V a.c. 1,5 VA	VS26S722DF318A
	COE	Sol/Sol	External	2,5 ... 10	-0,9 ... 10	Push & turn	24 V d.c. 1,2 W	VS26S722DF213A
	COE	Sol/Sol	External	2,5 ... 10	-0,9 ... 10	Push & turn	115 V a.c. 1,5 VA	VS26S722DF218A
	COE	Sol/Sol	External	2,5 ... 10	-0,9 ... 10	Extended, push only	24 V d.c. 1,2 W	VS26S722DF513A
	COE	Sol/Sol	External	2,5 ... 10	-0,9 ... 10	Extended, push only	115 V a.c. 1,5 VA	VS26S722DF518A

Valve dimensions see page 9

APB = All Ports Blocked COE = Centre Open Exhaust

Options selector

Spool technology	Substitute
Glandless spool & sleeve	G
Softseal spool	S
Guiding systems	Substitute
2 x 3/2 NC *3)	A
2 x 3/2 NO *3)	B
2 x 3/2 NO/NC *3)	C
2 x 2/2 NO *3)	E
2 x 2/2 NO/NC *3)	F
2 x 2/2 (NO/NC) *3)	G
5/2	5
5/3 APB	6
5/3 COE	7

*3) Available with softseal spool only (VS26S).

VS26★★★★DF★★★★

Application	Substitute
Standard environment	A
ATEX approval *6)	E
Voltage (tolerances)	Substitute
24 V d.c 1,2 W (±10%)	13
115 V a.c 1,5 VA (-10/+15%)	18
12 V d.c 1,2 W (±10%)	available on request
12 V d.c 1,5 W (-17/+20%)	available on request
24 V d.c 1,5 W (-17/+20%)	available on request
Manual override *5)	Substitute
Push & turn	2
Push only	3
Extended, push only	5
Actuation/Pilot supply	Substitute
Solenoid/Spring; Internal pilot supply	17
Solenoid/Spring; External pilot supply	27
Solenoid/Solenoid; Internal pilot supply	11
Solenoid/Solenoid; External pilot supply	22
Solenoid priority side 14/Solenoid (5/2 only) Internal pilot supply *4)	91
Solenoid priority side 14/Solenoid (5/2 only) External pilot supply *4)	92

*4) Available with glandless spool & sleeve only (VS26G)

*5) Option "without manual override" available on request.

*6) Available with 24 V d.c. 1,2 W (±10%) only

Electrical details for solenoid operators

Voltage tolerances	(24 V d.c) +/- 10%
Voltage tolerances	(115 V a.c) -10%/+15%
Rating	100 % Continuous duty
Inlet orifice	0,8 mm
Indication	LED green
Surge suppression	Transil diode
Materials	PPS (body), FKM and NBR (seal)

Note: Alternative voltage and voltage tolerances see option selector above.

Protection classification (IP Code):

All VS26 valve islands fulfill IP65 and NEMA4 ratings.

Power supply and precautions:

All VS26 24 V d.c products are designed to be used with a protective extra low voltage (PELV) power supply. All VS26 115 V a.c products correspond to the protection class I. Connection of the protective earth (PE) ground is required.

UL approval:

Recognized to UL 429 for Electrically Operated Valves (not applicable for Industrial Ethernet, IO-Link and Fieldbus options).

ATEX:

The 24 V d.c valve islands fulfils the requirement of the standard 2014/34/EU for intended use in hazardous locations.



Multipole and Industrial Ethernet versions:
II 3G Ex nA IIC T4 Gc
II 3D Ex tc IIIC T135°C Dc

IO-Link
II 3G Ex ec IIC T4 Gc
II 3D Ex tc IIIB T135°C Dc

Fieldbus versions:
II 3G Ex nA IIC T4 Gc
II 3D Ex tc IIIB T135°C Dc

Equipment group, category, type of protection:

The Declaration of Conformity of the valve islands was conducted by IMI Precision Engineering Norgren GmbH, D-70731 Fellbach. Please review all ATEX data and notes in the maintenance and instruction booklet to eliminate any risks, allowing for safe function of the valve islands.

Note:

Please refer to the corresponding ATEX installation instructions and the maximum permissible operating conditions for valve islands in the ATEX zone.

The maximum allowed power consumption for ATEX is 20W. This corresponds to 16 simultaneously energized pilot valves. If a configuration consists of more than 16 pilot valves the user must undertake external actions (e.g. power-limited power supplies) to make sure that the power consumption of 20W is not exceeded.

This does not apply to IO-Link versions. Up to 40 pilot valves can be operated at IO-Link versions.

Accessories

Electrical Connection and base accessories for Multipole, Fieldbus, IO-Link and Industrial Ethernet

Spare valve identification labels *7)  VS2672905-KG00 (10 pcs.)	Blanking plug for base connector hole *8)  VS2672914-KG00	Blanking disc to modular sub-base  V70522-K00 (Ports 1, 3, 5) V70523-K00 (Port 12/14)	Manual override set-up kit  VS2672906-KG00	DIN EN 50 022 rail (1 m)  V10009-C00 (35 x 7,5 mm)
DIN-rail mounting kit  V70531-KA0 *9) VS2672971-KG00 *11)	Intermediate supply/exhaust module  Page 18 VS2672902-BG00 (G1/4) VS2672902-RG00 (NPTF 1/4)	Blanking plate  Page 18 VS2672904-KG00 VS2672965-KG00 *12)	Soft start and relief valve  Page 9 VS2672530-KG00 *10) VS2672531-KG00 *12)	

*7) When purchasing assembled valve islands from IMI Norgren, valve identification labels are already included.

*8) When V44/V45 valves are fitted on VS26 bases.

*9) Not suitable for Industrial Ethernet.

*10) Not suitable for IO-Link and Industrial Ethernet.

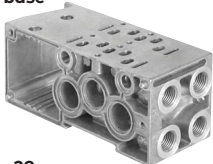
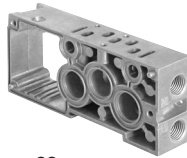
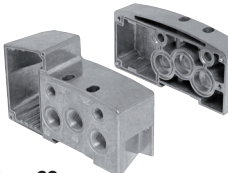
*11) Industrial Ethernet (only)

*12) IO-Link and Industrial Ethernet (only)

Sandwich plates

Single pressure regulator plate  Page 16 VS2672900-KG10 (Port 1) VS2672900-KG20 (Port 2) VS2672900-KG30 (Port 4)	Double pressure regulator plate  Page 16 VS2672900-KG40 (Ports 2+4)	Flow regulator plate  Page 17 VS2672901-KG00 (Ports 3+5)	Sandwich plate with additional pressure port 1  Page 17 VS2672928-KG00 (G1/4) VS2672929-KG00 (NPTF 1/4)	Single valve shut-off plate  Page 19 VS2672903-KG00 (Port 1)
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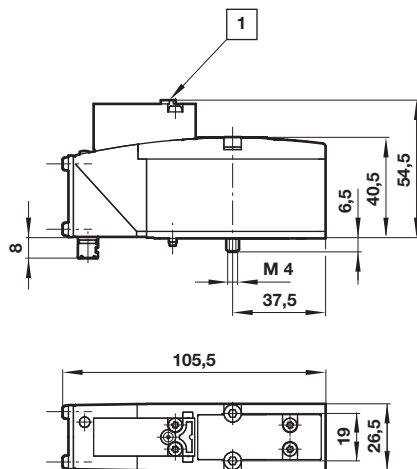
Sub-bases and end plates

Single station sub-base  Page 12	Double station modular sub-base  Page 29	Single station modular sub-base  Page 29	End plate kit  Page 29
--	---	---	--

Valve dimensions

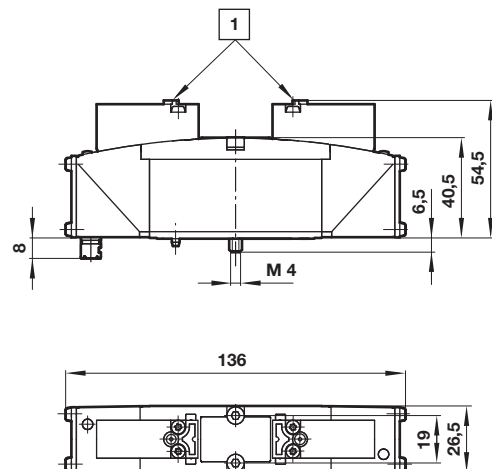
VS26*5*7DF*1**

5/2 Single solenoid pilot valve, mechanical spring return



VS26****DF*1**

2 x 2/2, 2 x 3/2, 5/2 and 5/3 Double solenoid pilot valve



Dimensions in mm
Projection/First angle

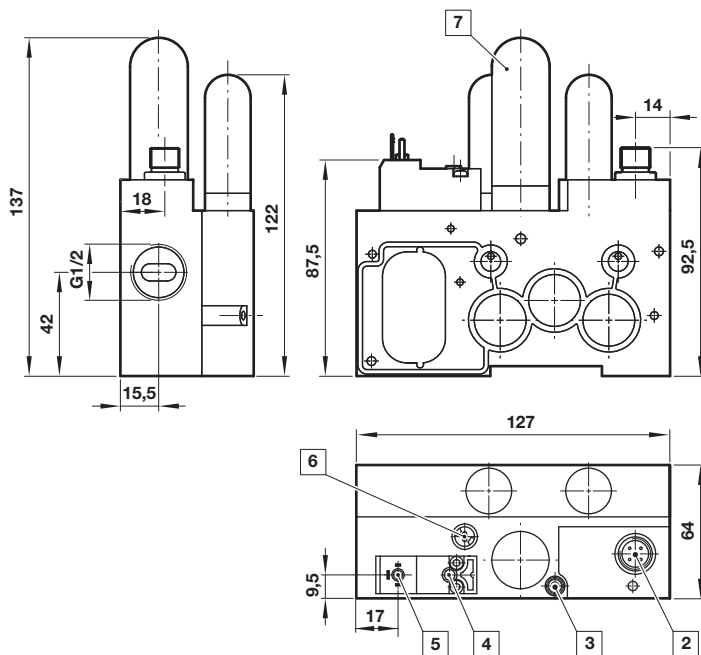


1 Manual override

Soft start and relief valve

VS2672530-KG00 - Fieldbus

VS2672531-KG00 - Industrial Ethernet and IO-Link



- 2 Connector M12 4-pin A-coded (enable signal)
- 3 Regulating screw (six turns maximum)
- 4 Manual override for pilot valve (push only)
- 5 Connector interface acc. EN 175 301-803, form C
- 6 Manual override (push to lock)
- 7 Silencer with bypass

Valve control:

Connector - DIN EN 175 301-803 form C

Male	Pin no.	Function	Tolerance	Max. current
	1	24 V d.c.	±10%	1,2 W
	2	0 V	-	-
	3	Earth	-	-

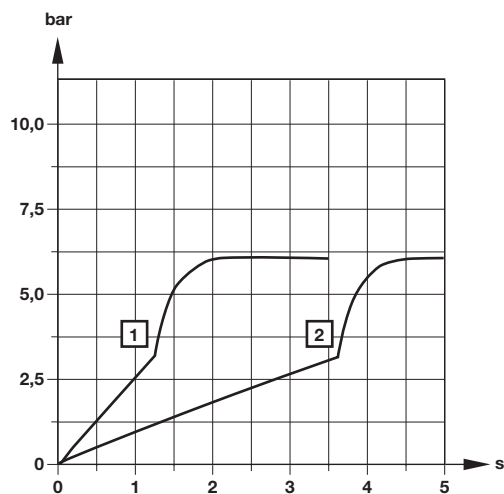
Enable signal:

M12 4-pin A-coded

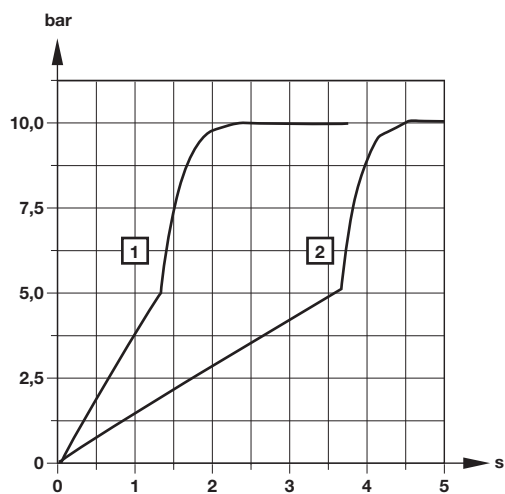
Male	Pin no.	Function	Outlet current
	1	24 V d.c.	-
	2	free	-
	3	0 V	-
	4	Outlet (PNP), enable signal	150 mA

Filling and Exhausting curves

Filling curve at 6 bar for 3 liter volume

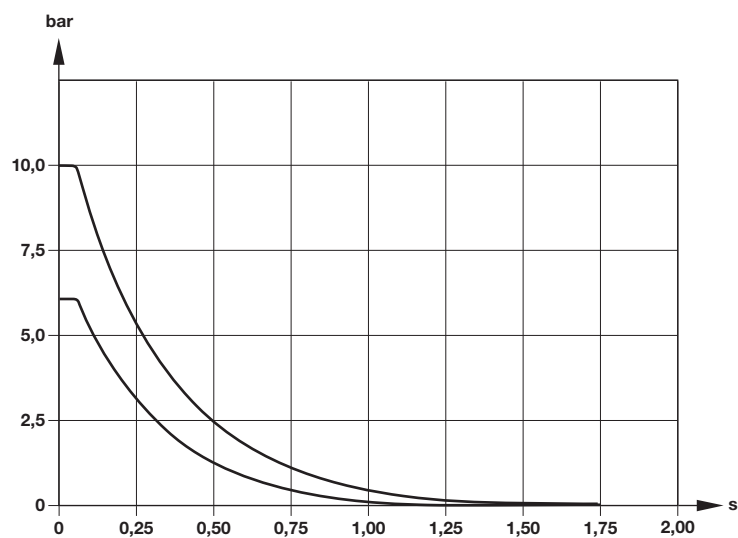


Filling curve at 10 bar for 3 liter volume



- 1 Open regulating screw
- 2 Regulating screw two turns open

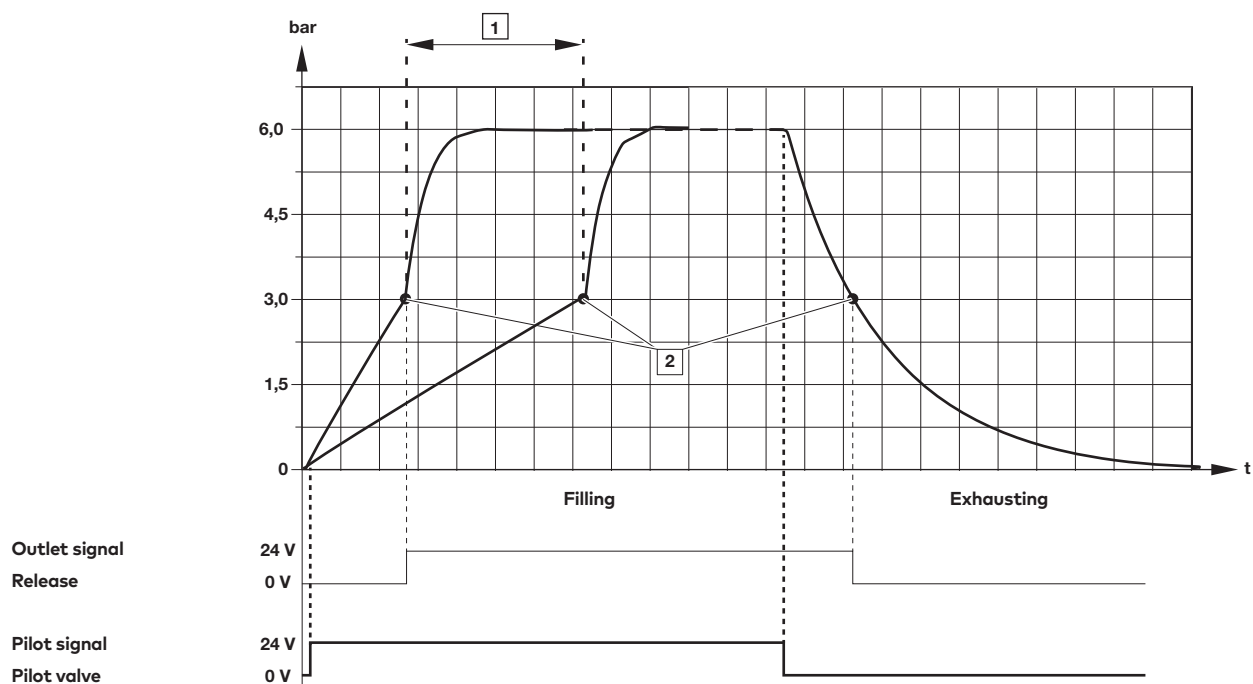
Exhausting curve of 3 liter volume at 6 and 10 bars



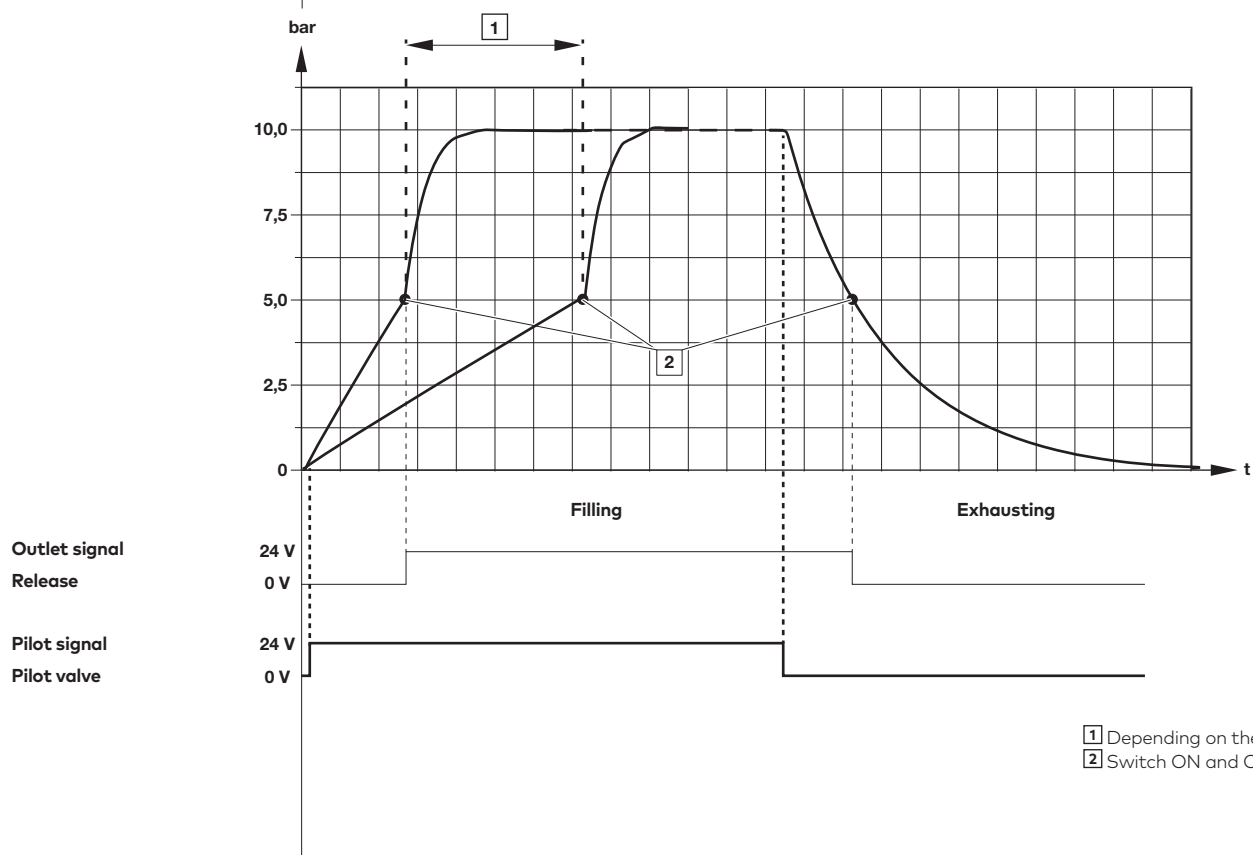
Filling and Exhausting curves

Filling curve at 6 bar for 3 liter volume

Switching conduct at 6 bar supply pressure



Switching conduct at 10 bar supply pressure

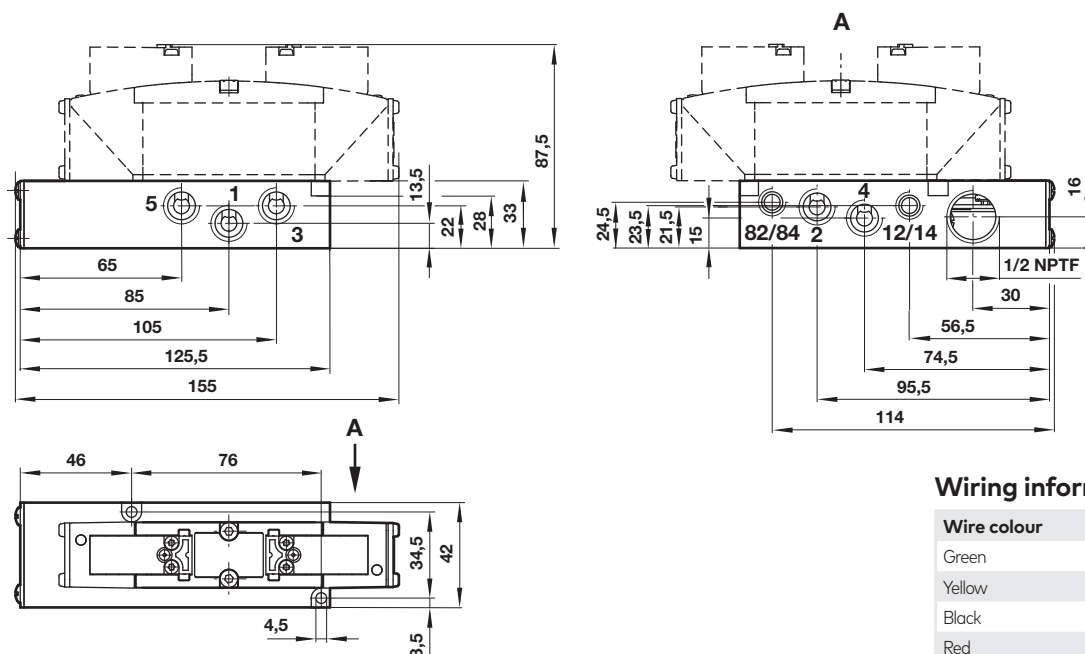


1 Depending on the throttle position
2 Switch ON and OFF at 50%

Single station sub-base

Description	Ports 1, 3 & 5	Ports 12/14 & 82/84	Ports 2 & 4	Connector type	Model
Single station sub-base for 24 V d.c.	G1/4	G1/8	G1/4	M12	VS2672510-BG00
Single station sub-base for 24 V d.c.	NPTF 1/4	NPTF 1/8	NPTF 1/4	M12	VS2672510-RG00
Single station sub-base for 24 V d.c. and 115 V a.c.	NPTF 1/4	NPTF 1/8	NPTF 1/4	NPTF 1/2 conduit	VS2672511-RG00

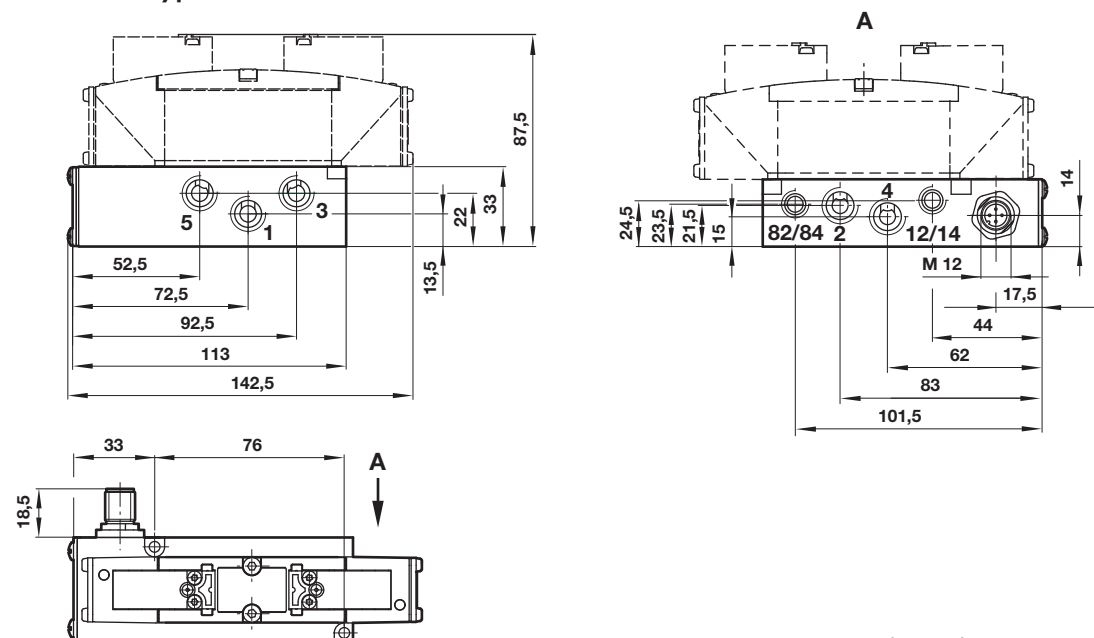
Connector type: NPTF 1/2 conduit with flying leads



Wiring information

Wire colour	Function
Green	Earth
Yellow	Signal for solenoid 12
Black	Common for solenoid 12 and 14
Red	Signal for solenoid 14

Connector type: M12



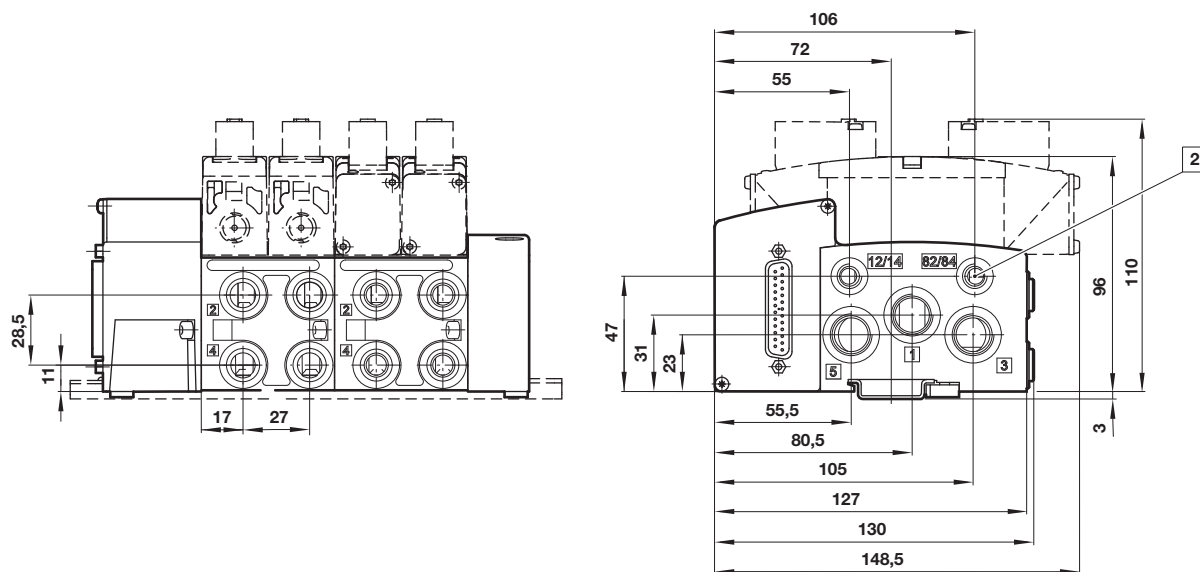
Pin assignment (conforming to DIN ISO 20401)

Male	Pin no.	Function
	1	Not used
	2	Signal for solenoid 12
	3	Common for solenoid 12 and 14
	4	Signal for solenoid 14

Valve island dimensions - Multipole and Fieldbus

See page 28 and 29 for sub-base and end plate kit ordering information

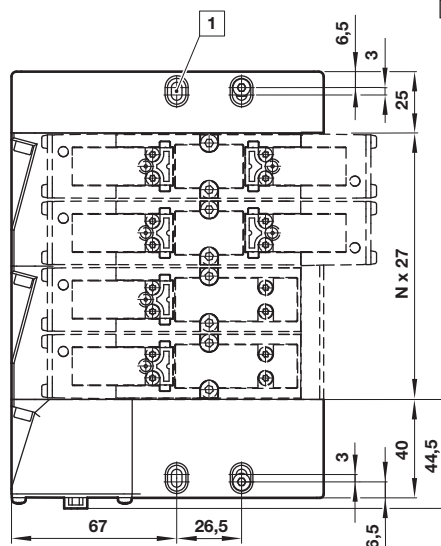
Dimensions in mm
Projection/First angle



1 Mounting without DIN rail, recommended fixing bolt;
M4 x 40 (minimum length)

2 Do not plug port 82/84 as this will cause valves malfunction

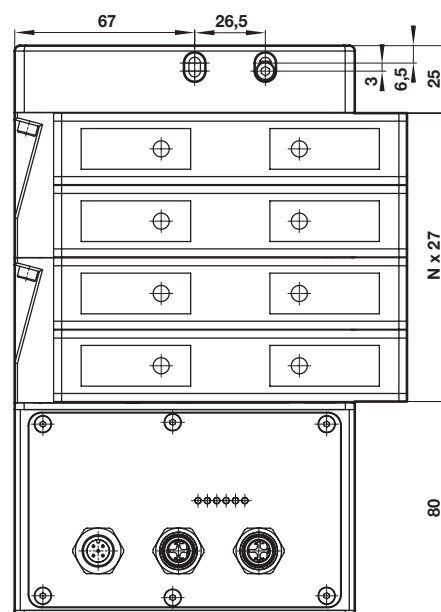
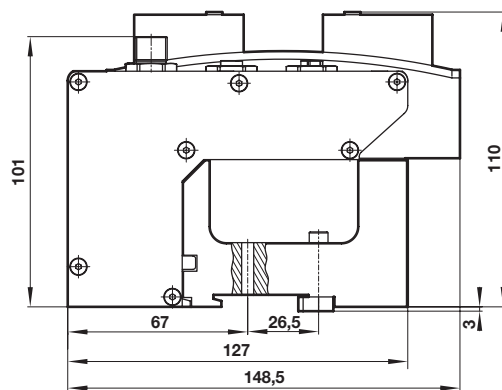
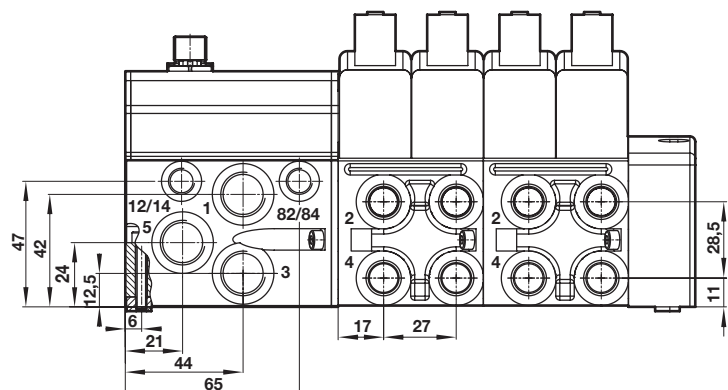
N Number of stations



Electrical connection	Min. no. of valve stations	Max. no. of valve stations	For details see page
Multipole	2	20	20
Fieldbus protocols	4	16	23

Valve island dimensions - Industrial Ethernet See page 32 for sub-base and end plate kit ordering information

Dimensions in mm
Projection/First angle



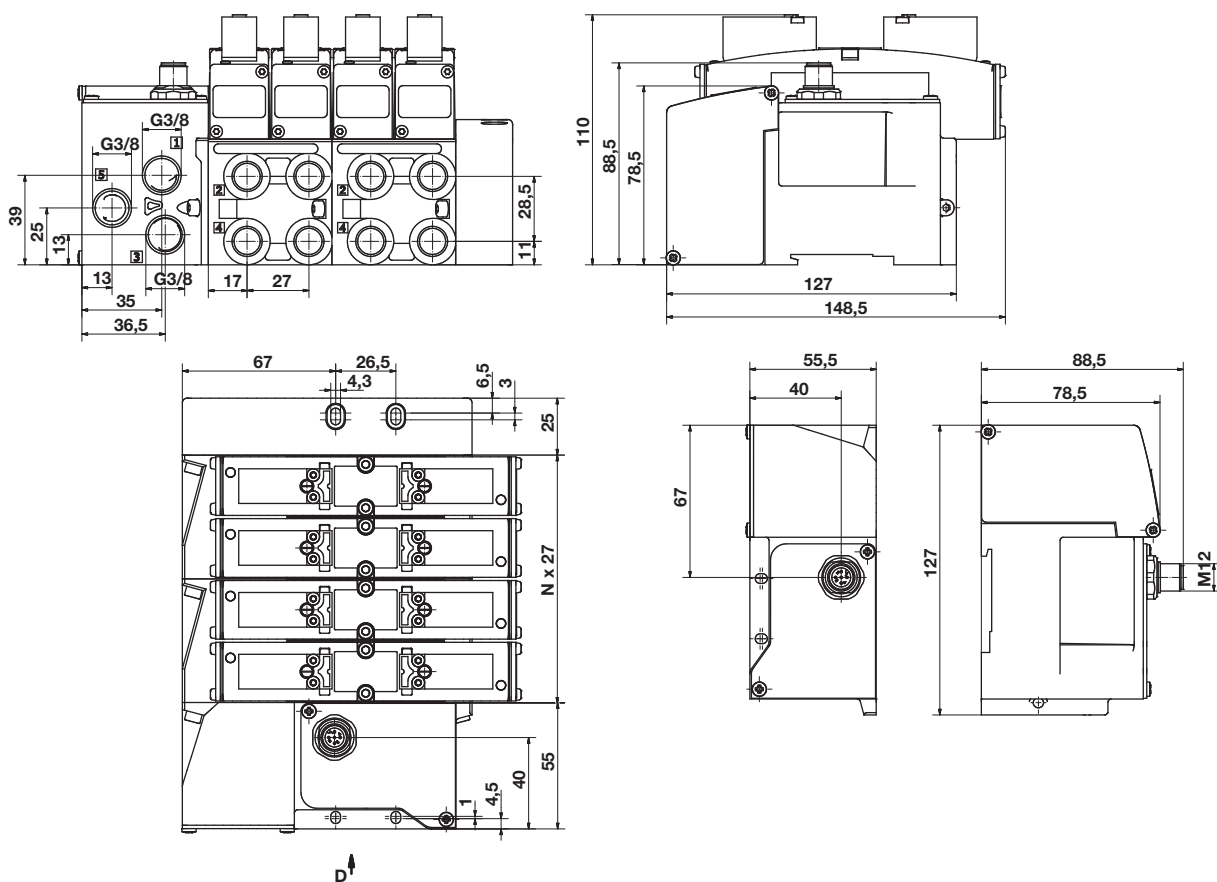
N Number of stations

Electrical connection	Min. no. of valve stations	Max. no. of valve stations	For details see page
Industrial Ethernet protocols	4	20	24 and 25

Valve island dimensions - IO-Link

See page 32 for sub-base and end plate kit ordering information

Abmessungen in mm
Projection / First

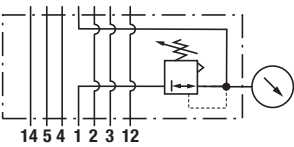
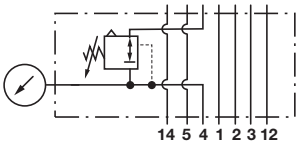
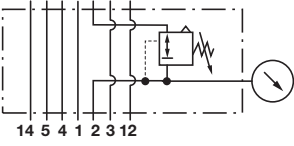
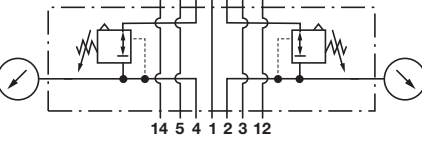


N Number of stations

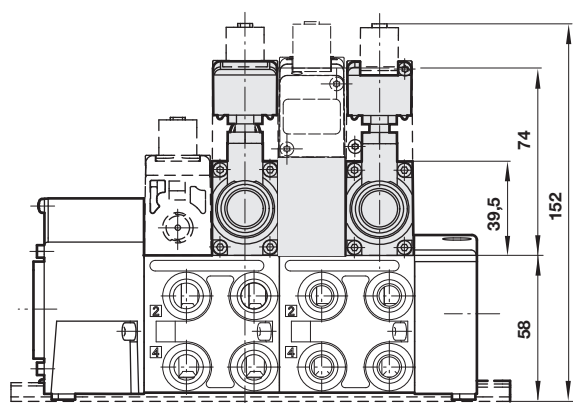
Electrical connection	Min. no. of valve stations	Max. no. of valve stations	For details see page
IO-Link	2	20	26

Sandwich plates

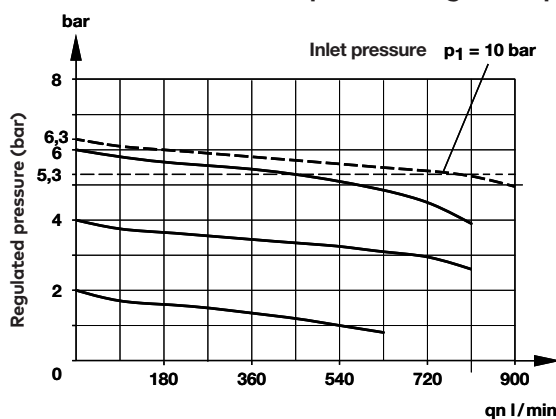
Pressure regulator sandwich plates

Symbol	Model	Description	Symbol	Model	Description
	VS2672900-KG10	Regulation of port 1, regulator on side 12		VS2672900-KG30	Regulation of port 4, regulator on side 14
	VS2672900-KG20	Regulation of port 2, regulator on side 12		VS2672900-KG40	Regulation of ports 2+4

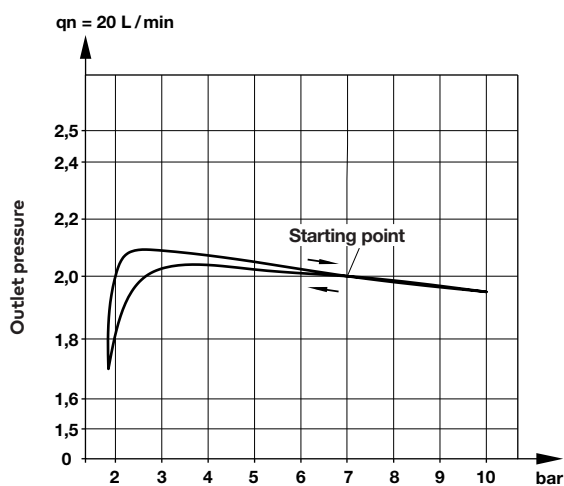
Dimensions in mm
Projection/First angle



Flow characteristics for pressure regulator plates



Hysteresis

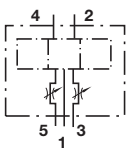


Spare part number for gauge: V70534-500

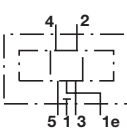
- 1 Regulation of port 1
- 2 Regulation of port 2
- 3 Regulation of port 4
- 4 Regulation of port 2+4
- 5 Gauge

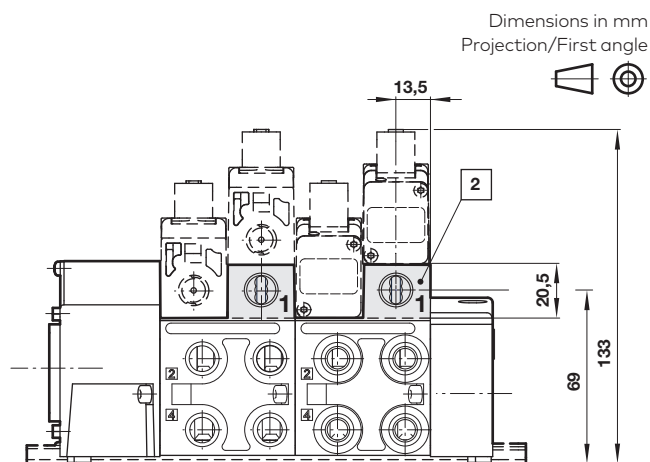
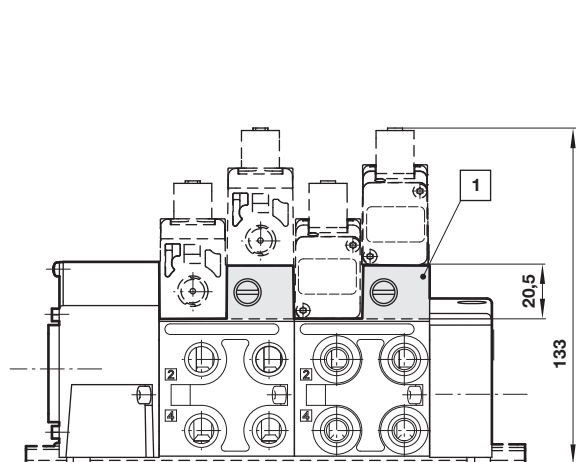
Sandwich plates

Flow regulator sandwich plate

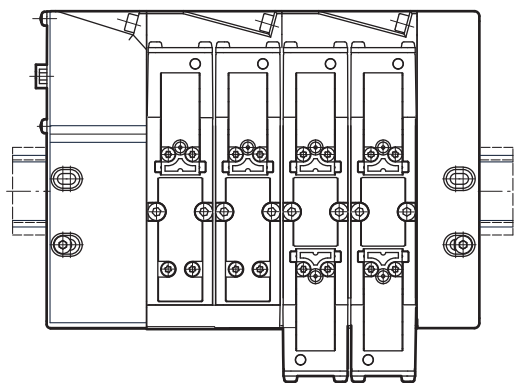
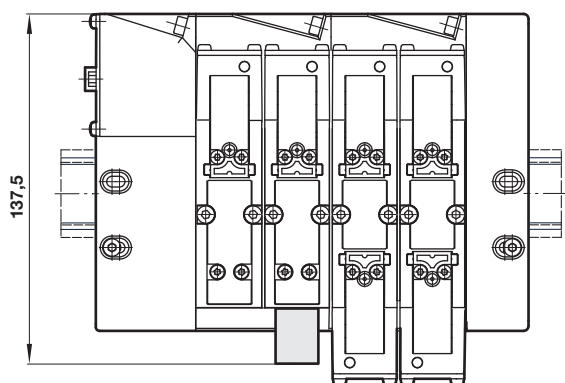
Symbol	Model	Description
	VS2672901-KG00	Flow regulator supplied with gasket, dual regulation of exhaust ports 3 and 5

Additional pressure port 1 sandwich plate

Symbol	Model	Description
	VS2672928-KG00	Sandwich plate with additional pressure port 1 (G1/4), supplied with gasket
	VS2672929-KG00	Sandwich plate with additional pressure port 1 (1/4 NPTF), supplied with gasket



Dimensions in mm
Projection/First angle

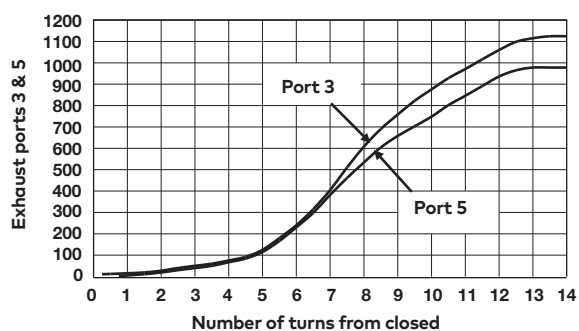


① Flow regulator plate

② Sandwich plate with additional pressure port 1

Flow characteristics

Dual regulation of exhaust ports 3 and 5

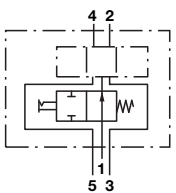


Flow: port 1 > 2 and 1 > 4: remains unchanged.

Flow measured at 6 bar inlet, pressure drop 1 bar

Sandwich plates

Single valve shut-off plate

Symbol	Model	Description
	VS2672903-KG00	Single valve shut-off plate supplied with gasket

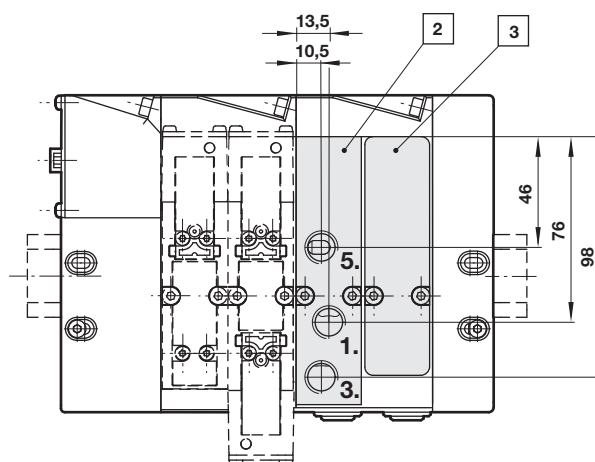
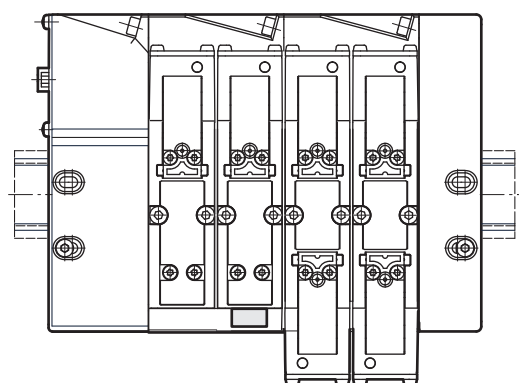
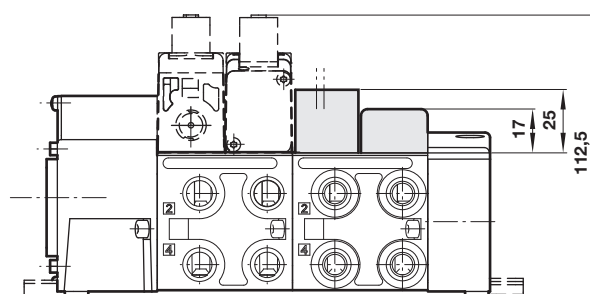
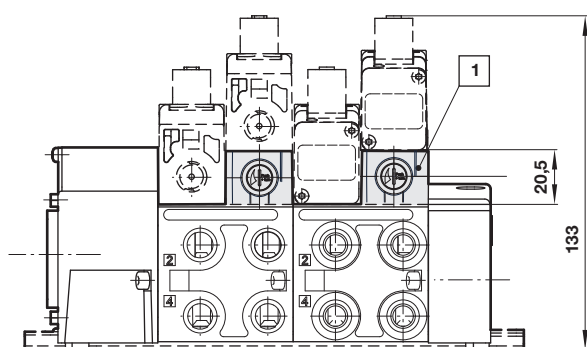
Allows individual exchange of valve while valve island is pressurised by port 1.
Flow restricted to max. 800 l/min.

Sub-base accessories

Model	Description
VS2672902-BG00	Intermediate supply/exhaust module, port size G1/4 *9)
VS2672902-RG00	Intermediate supply/exhaust module, port size NPTF 1/4 *9)
VS2672904-KG00	Blanking plate for blocking of unused stations (supplied with gasket)

*9) for use see page 19

Dimensions in mm
Projection/First angle



- 1 Single valve shut-off plate
- 2 Intermediate supply/exhaust module
- 3 Blanking plate

Multi pressure configurations

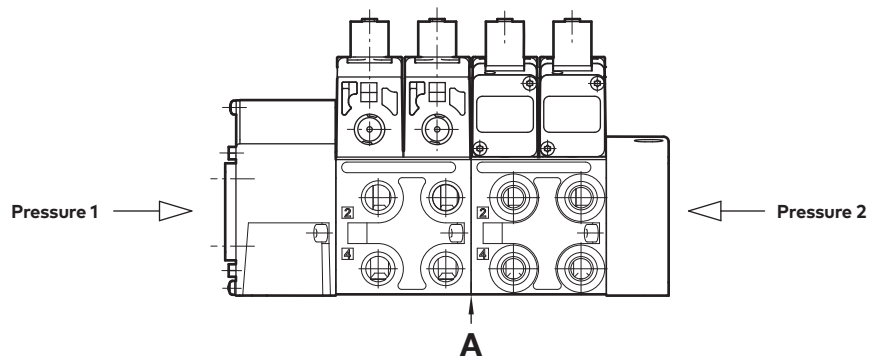
A

Blanking disc	Type
V70522-K00	Suitable for ports 1, 3 and/or 5

B

Intermediate supply/exhaust module	Type
VS2672902-BG00	G1/4
VS2672902-RG00	NPTF1/4

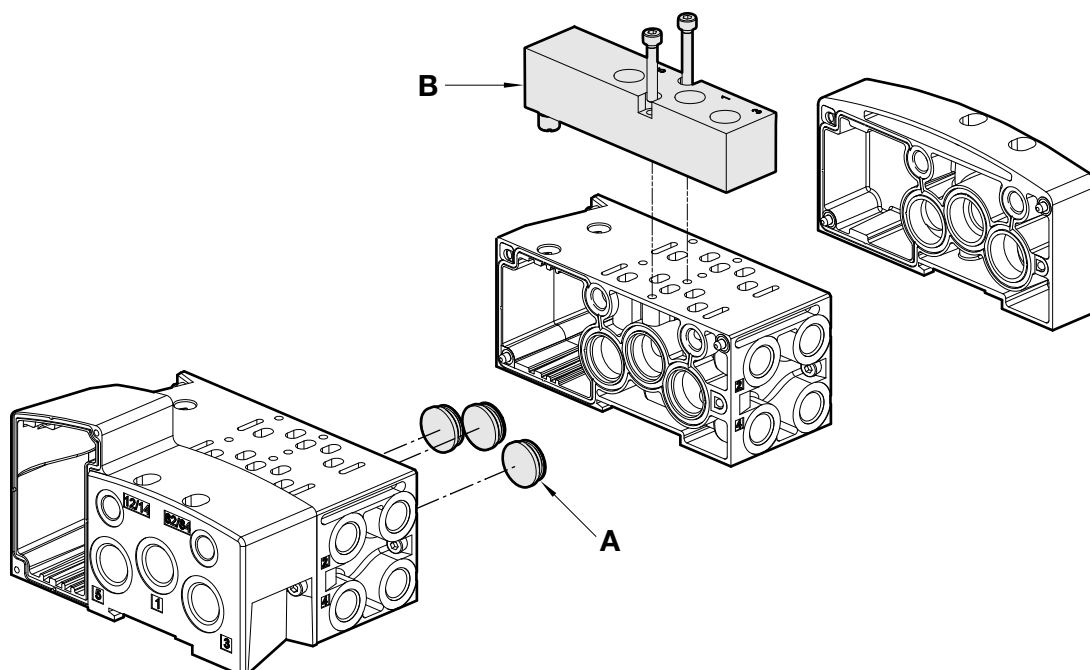
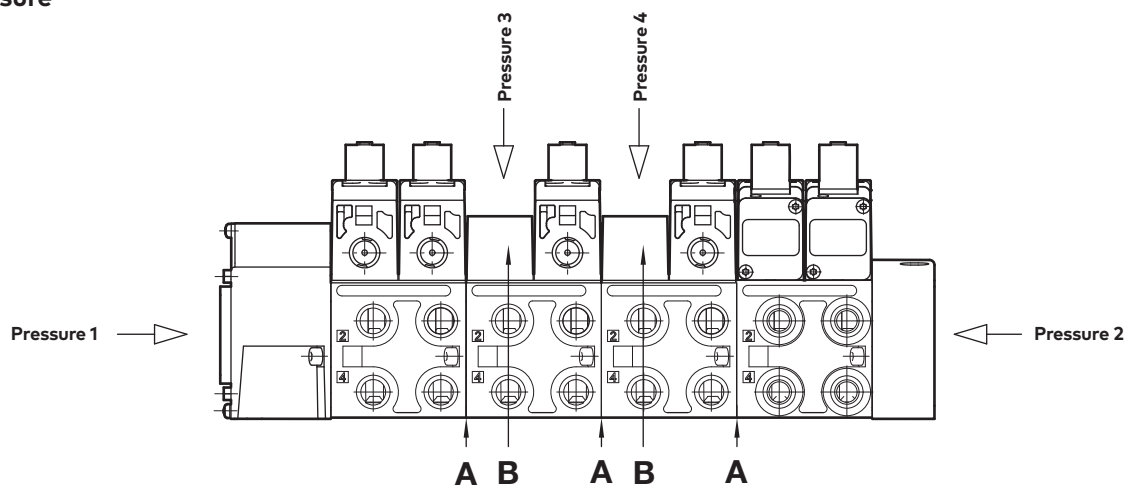
Dual pressure



Dimensions in mm
Projection/First angle



Multi pressure

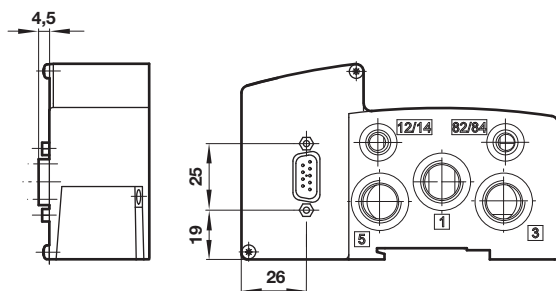


Multipole options

Connector type	Voltage	No. of stations	Max. no. solenoids
D-Sub 9-pin	24 V d.c.	02/03/04	8
D-Sub 15-pin	24 V d.c.	02/03/04/05/06/07	14
D-Sub 25-pin	24 V d.c.	02/03/04/05/06/07/08/09/10/11/12	24
D-Sub 44-pin	24 V d.c.	08/09/10/11/12/13/14/15/16/17/18/19/20	40
M23 19-pin	115 V a.c., 24 V d.c.	02/03/04/05/06/07/08	16
NPTF 1 Conduit entry with terminals	115 V a.c., 24 V d.c.	02/03/04/05/06/07/08/09/10/11/12	24

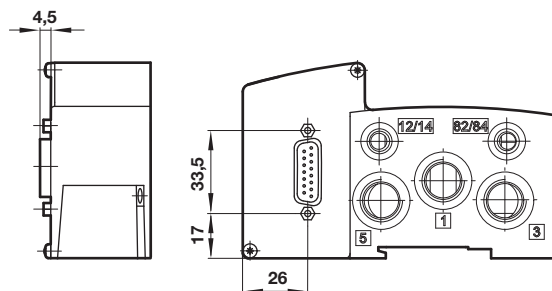
For valve islands with 17 ... 20 valve stations, please contact our customer service. For details of single parts see pages 28 ... 31.

D-Sub; 9-pin

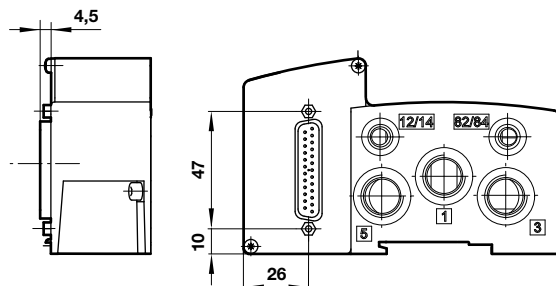


D-Sub; 15-pin

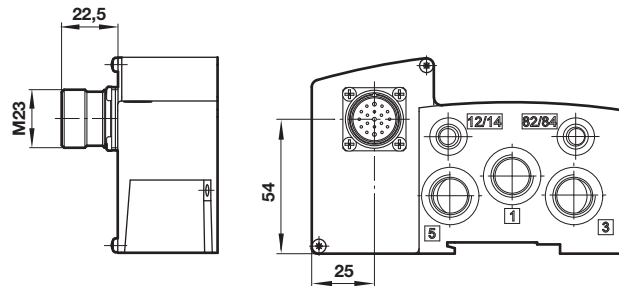
Dimensions in mm
Projection/First angle

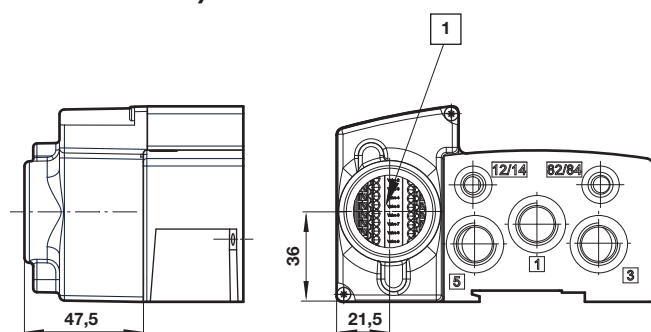
D-Sub, 25-/44-pin



M23; 19-pin



NPTF 1 Conduit entry with terminals



1 Maximum wire size AWG18

Multipole accessories

Cable length	D-Sub connector 9-pin IP65	D-Sub connector 15-pin IP65	D-Sub connector 25-pin IP65	D-Sub connector 44-pin IP65	M23 connector 19-pin IP65
					
1 m	VS2672910-KG00	VS2672915-KG00	V11569-E01	V11570-E01	VS2672943-KG00
3 m	VS2672911-KG00	VS2672916-KG00	V11569-E03	V11570-E03	VS2672944-KG00
5 m	VS2672912-KG00	VS2672917-KG00	V11569-E05	V11570-E05	VS2672945-KG00

For cable length longer than 5 m please contact customer service.

D-Sub connector 9-pin *11)

Pin no.	Wire colour	Socket	Pilot	Station
1	White	Solenoid 1-a	14	1
2	Brown	Solenoid 2-a	14	2
3	Green	Solenoid 3-a	14	3
4	Yellow	Solenoid 4-a	14	4
5	Grey	Solenoid 1-b	12	1
6	Pink	Solenoid 2-b	12	2
7	Blue	Solenoid 3-b	12	3
8	Red	Solenoid 4-b	12	4
9	Black	Common	-	-

D-Sub connector 15-pin *11)

Pin no.	Wire colour	Socket	Pilot	Station
1	White	Solenoid 1-a	14	1
2	Brown	Solenoid 2-a	14	2
3	Green	Solenoid 3-a	14	3
4	Yellow	Solenoid 4-a	14	4
5	Grey	Solenoid 5-a	14	5
6	Pink	Solenoid 6-a	14	6
7	Blue	Solenoid 7-a	14	7
8	Red	Solenoid 1-b	12	1
9	Black	Solenoid 2-b	12	2
10	Violet	Solenoid 3-b	12	3
11	Grey/Pink	Solenoid 4-b	12	4
12	Red/Blue	Solenoid 5-b	12	5
13	White/Green	Solenoid 6-b	12	6
14	Brown/Green	Solenoid 7-b	12	7
15	White/Yellow	Common	-	-

D-Sub connector 25-pin *11)

Pin no.	Wire colour	Socket	Pilot	Station
1	White	Solenoid 1-a	14	1
2	Brown	Solenoid 2-a	14	2
3	Green	Solenoid 3-a	14	3
4	Yellow	Solenoid 4-a	14	4
5	Grey	Solenoid 5-a	14	5
6	Pink	Solenoid 6-a	14	6
7	Blue	Solenoid 7-a	14	7
8	Red	Solenoid 8-a	14	8
9	Black	Solenoid 9-a	14	9
10	Violet	Solenoid 10-a	14	10
11	Grey/Pink	Solenoid 11-a	14	11
12	Red/Blue	Solenoid 12-a	14	12
13	White/Green	Common	-	-
14	Brown/Green	Solenoid 1-b	12	1
15	White/Yellow	Solenoid 2-b	12	2
16	Yellow/Brown	Solenoid 3-b	12	3
17	White/Grey	Solenoid 4-b	12	4
18	Grey/Brown	Solenoid 5-b	12	5
19	White/Pink	Solenoid 6-b	12	6
20	Pink/Brown	Solenoid 7-b	12	7
21	White/Blue	Solenoid 8-b	12	8
22	Brown/Blue	Solenoid 9-b	12	9
23	White/Red	Solenoid 10-b	12	10
24	Brown/Red	Solenoid 11-b	12	11
25	White/Black	Solenoid 12-b	12	12

*11) Conforming to IEC60757

D-Sub connector; 44-pin *11)

Pin no.	Wire colour	Socket	Pilot	Station
1	White	Solenoid 1-a	14	1
2	Brown	Solenoid 2-a	14	2
3	Green	Solenoid 3-a	14	3
4	Yellow	Solenoid 4-a	14	4
5	Grey	Solenoid 5-a	14	5
6	Pink	Solenoid 6-a	14	6
7	Blue	Solenoid 7-a	14	7
8	Red	Solenoid 8-a	14	8
9	Black	Solenoid 9-a	14	9
10	Violet	Solenoid 10-a	14	10
11	Grey/Pink	Solenoid 11-a	14	11
12	Red/Blue	Solenoid 12-a	14	12
13	White/Green	Solenoid 13-a	14	13
14	Brown/Green	Solenoid 14-a	14	14
15	White/Yellow	Solenoid 15-a	14	15
16	Yellow/Brown	Solenoid 1-b	12	1
17	White/Grey	Solenoid 2-b	12	2
18	Grey/Brown	Solenoid 3-b	12	3
19	White/Pink	Solenoid 4-b	12	4
20	Pink/Brown	Solenoid 5-b	12	5
21	White/Blue	Solenoid 6-b	12	6
22	Brown/Blue	Solenoid 7-b	12	7
23	White/Red	Solenoid 8-b	12	8
24	Brown/Red	Solenoid 9-b	12	9
25	White/Black	Solenoid 10-b	12	10
26	Brown/Black	Solenoid 11-b	12	11
27	Grey/Green	Solenoid 12-b	12	12
28	Yellow/Grey	Solenoid 13-b	12	13
29	Pink/Green	Solenoid 14-b	12	14
30	Yellow/Pink	Solenoid 15-b	12	15
31	Green/Blue	Solenoid 16-a	14	16
32	Yellow/Blue	Solenoid 16-b	12	16
33	–	NOT USED	–	–
34	–	NOT USED	–	–
35	–	NOT USED	–	–
36	–	NOT USED	–	–
37	–	NOT USED	–	–
38	–	NOT USED	–	–
39	–	NOT USED	–	–
40	–	NOT USED	–	–
41	–	NOT USED	–	–
42	–	NOT USED	–	–
43	Blue/Black *12)	Common	–	–
44	Red/Black *12)	Common	–	–

*11) Conforming to IEC60757

*12) The Norgren D-Sub 44-pin cables (see part numbers on page 21) do not have 44 wires, but only 34 wires. Therefore, the wires associated with pins 1 through 32 are according to DIN 47100, wires 43 and 44 differ from the standard and are coloured in green/black and yellow/black.

M23 connector; 19-pin

Pin no.	Wire colour	Socket	Pilot	Station
1	White	Solenoid 8-a	14	8
2	Green/Brown	Solenoid 6-a	14	6
3	Green	Solenoid 4-a	14	4
4	Yellow	Solenoid 2-b	12	2
5	Grey	Solenoid 2-a	14	2
6	Blue (thick)	Common	–	–
7	White/Grey	Solenoid 1-b	12	1
8	Red	Solenoid 3-b	12	3
9	Black	Solenoid 5-b	12	5
10	Violet	Solenoid 7-b	12	7
11	Grey/Pink	Solenoid 7-a	14	7
12	Yellow/Green	Earth	–	–
13	White/Green	Solenoid 6-b	12	6
14	Brown/Green	Solenoid 4-b	12	4
15	White/Yellow	Solenoid 1-a	14	1
16	Yellow/Brown	Solenoid 3-a	14	3
17	Pink	Solenoid 5-a	14	5
18	Red/Blue	Solenoid 8-b	12	8
19	Brown (thick)	NOT USED	–	–

NPTF 1 Conduit entry with terminals *13)

Pin no.	Socket	Pilot	Station
C1	Solenoid 1-a	14	1
C2	Solenoid 2-a	14	2
C3	Solenoid 3-a	14	3
C4	Solenoid 4-a	14	4
C5	Solenoid 5-a	14	5
C6	Solenoid 6-a	14	6
C7	Solenoid 7-a	14	7
C8	Solenoid 8-a	14	8
C9	Solenoid 9-a	14	9
C10	Solenoid 10-a	14	10
C11	Solenoid 11-a	14	11
C12	Solenoid 12-a	14	12
C13	Solenoid 1-b	12	1
C14	Solenoid 2-b	12	2
C15	Solenoid 3-b	12	3
C16	Solenoid 4-b	12	4
C17	Solenoid 5-b	12	5
C18	Solenoid 6-b	12	6
C19	Solenoid 7-b	12	7
C20	Solenoid 8-b	12	8
C21	Solenoid 9-b	12	9
C22	Solenoid 10-b	12	10
C23	Solenoid 11-b	12	11
C24	Solenoid 12-b	12	12
C25	Common	–	–
C26	Common	–	–
C27	Earth	–	–
C28	Earth	–	–

*13) Max.wire size AWG18

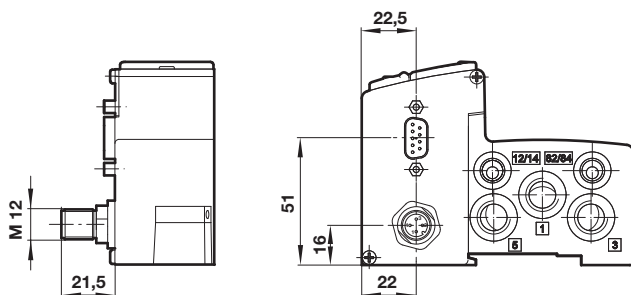
Fieldbus, IO-Link and Industrial Ethernet options: Overview

Protocol	Communications Connector	Power connector	No. of stations	Max. no. solenoids
PROFIBUS DP	1x D-Sub; 9-pin	M12; 4-pin	04/05/06/07/08/09/10/11/12/13/14/15/16	32
	2x M12; 5-pin	M12; 4-pin	04/05/06/07/08/09/10/11/12/13/14/15/16	32
	2x M12; 5-pin	7/8; 5-pin	04/05/06/07/08/09/10/11/12/13/14/15/16	32
PROFINET IRT	2x M12; 4-pin	M12; 5-pin	04/06/08/10/12/14/16/18/20	40
DeviceNet	1x M12; 5-pin	M12; 4-pin	04/05/06/07/08/09/10/11/12/13/14/15/16	32
EtherNet/IP	2x M12; 4-pin	M12; 5-pin	04/06/08/10/12/14/16/18/20	40
CANopen	1x M12; 5-pin	M12; 4-pin	04/05/06/07/08/09/10/11/12/13/14/15/16	32
IO-Link	1x M12; 5-pin	integrated in M12; 5-pin	02/04/06/08/10/12/14/16/18/20	40

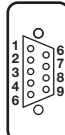
For parts and assembly instructions of Fieldbus and Industrial Ethernet components, consult our technical service.

Fieldbus protocol: PROFIBUS DP

Connector: 1 x D-Sub 9-pin / 1 x M12 4-pin



Bus connector: D-Sub 9-pin

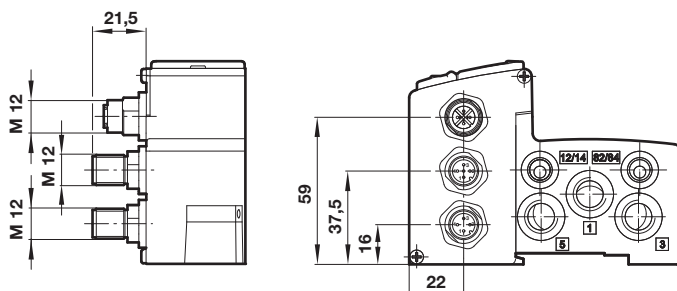
Female Bus in/out	Pin no.	Function
	1	Shield
	2	N/C
	3	B-line (red) Rx/D / Tx-D-P
	4	N/C
	5	DGND (OV) isolated
	6	VP (5V) isolated
	7	N/C
	8	A-line (green) Rx/D / Tx-D-N N/C
	9	N/C

Power connector: M12 4-pin A-coded

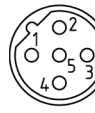
Male	Pin no.	Function	Tolerance	Max. current
	1	24 VB logic circuit supply	±25%	300 mA
	2	24 VA valves	±10%	*14)
	3	0 V	–	*15)
	4	Earth	–	–

Fieldbus protocol: PROFIBUS DP

Connector: 2 x M12 5-pin / 1 x M12 4-pin



Bus connector: M12 5-pin B-coded

Male Bus in	Female Bus out	Pin no.	Function
		1	5 V I Opto isolator
		2	A-line (green)
		3	0 V I Opto isolated
		4	B-line (red)
		5	Shield
		Threaded joint	Shield

Power connector: M12 4-pin A-coded

Male	Pin no.	Function	Tolerance	Max. current
	1	24 VB logic circuit supply	±25%	300 mA
	2	24 VA valves	±10%	*14)
	3	0 V	–	*15)
	4	Earth	–	–

*14) $I_{max} = 10 \text{ mA} + n \cdot 60 \text{ mA}$

n = number of energized solenoids

*15) $I_{max} = I_{VA} + I_{VB}$

Fieldbus protocol: PROFIBUS DP
Connector: 2 x M12 5-pin / 1 x 7/8 5-pin

Bus connector: M12 5-pin B-coded

Male Bus in	Female Bus out	Pin no.	Function
		1	SVI isolated
		2	A-line (green)
		3	OVI isolated
		4	B-line (red)
		5	Shield
		Threaded joint	Shield

Power connector: 7/8 5-pin

Male	Pin no.	Function	Tolerance	Max. current
	1	-	-	-
	2	0 V	-	*17)
	3	Earth	-	-
	4	24 VA valves	±10%	*16)
	5	24 VB logic circuit supply	±25%	300 mA

Industrial Ethernet protocol: PROFINET IRT
Connector: 2 x M12 4-pin / 1 x M12 5-pin

Bus connector: M12 4-pin D-coded

Female	Pin no.	Function
	1	Transmission data + (TD +)
	2	Receive data + (RD+)
	3	Transmission data - (TD-)
	4	Receive data - (RD-)
	Housing	FE (functional earth)

Power connector: M12 5-pin A-coded

Male	Pin no.	Function	Tolerance	Max. current
	1	L1 (VB+) 24 V electronics power supply	30%	max. 250 mA
	2	N2 (VA-) 0V valves power supply	-	-
	3	N1 (VB-) 0V electronics power supply	-	-
	4	L2 (VA+) 24 V valves power supply	10%	max. 25 mA + 70 mA x n
	5	FE (functional earth)		

(n = number of switched valves)

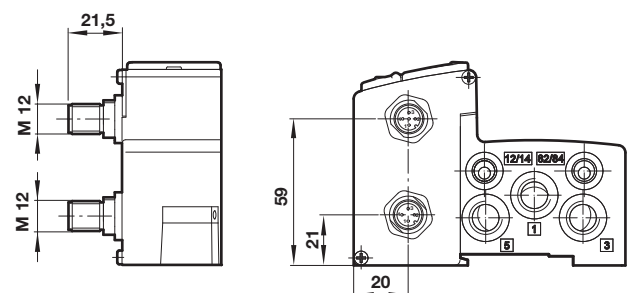
Fieldbus protocol: DeviceNet
Connector: 1 x M12 5-pin / 1 x M12 4-pin

Bus connector: M12 5-pin A-coded

Male Bus in/out	Pin no.	Function	Tolerance	Max. current
	1	Drain	-	-
	2	V+ 24 V *22)	±25%	200mA
	3	V- 0 V *22)	-	-
	4	CAN_H	-	-
	5	CAN_L	-	-

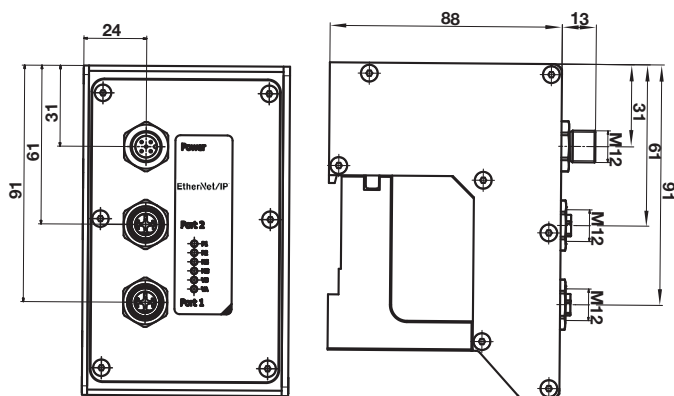
Power connector: M12 4-pin A-coded

Male	Pin no.	Function	Tolerance	Max. current
	1	-	-	-
	2	24 VA valves	±10%	*20)
	3	0 V	-	*21)
	4	Earth	-	-



Industrial Ethernet protocol: EtherNet/IP

Connector: 2 x M12 4-pin / 1 x M12 5-pin

Bus connector: M12 4-pin D-coded

Female	Pin no.	Function
	1	Transmission data + (TD +)
	2	Receive data + (RD+)
	3	Transmission data - (TD-)
	4	Receive data - (RD-)
	Housing	FE (functional earth)

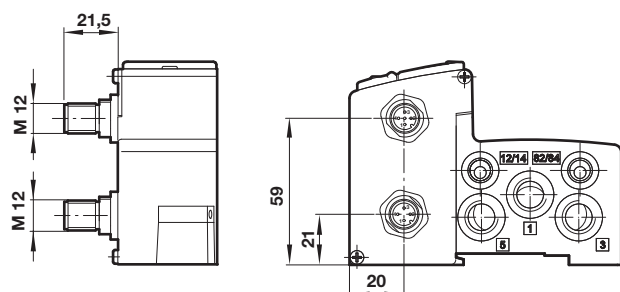
Power connector: M12 5-pin A-coded

Male	Pin no.	Function	Tolerance	Max. current
	1	L1 (VB+) 24 V electronics power supply	30%	max. 250 mA
	2	N2 (VA-) 0V valves power supply	-	-
	3	N1 (VB-) 0V electronics power supply	-	-
	4	L2 (VA+) 24 V valves power supply	10%	max. 25 mA + 70 mA x n
	5	FE (functional earth)	-	-

(n = number of switched valves)

Fieldbus protocol: CANopen

Connector: 1 x M12 5-pin / 1 x M12 4-pin

Bus connector: M12 5-pin A-coded

Male Bus in/out	Pin no.	Function	Tolerance	Max. current
	1	Drain	-	-
	2	V+ 24 V *22)	±25%	200mA
	3	V- 0 V *22)	-	-
	4	CAN_H	-	-
	5	CAN_L	-	-

Power connector: M12 4-pin A-coded

Male	Pin no.	Function	Tolerance	Max. current
	1	-	-	-
	2	24 VA valves	±10%	*20)
	3	0 V	-	*21)
	4	Earth	-	-

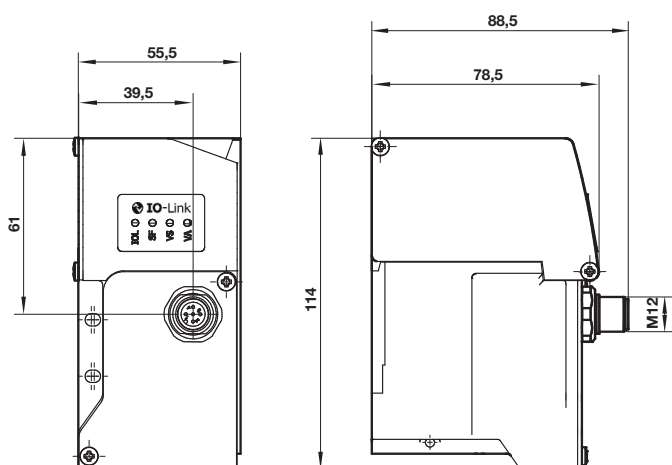
*20) $I_{max} = 10 \text{ mA} + n \cdot 60 \text{ mA}$

*21) $I_{max} = I_{VA} + I_{VB}$

*22) Must be galvanic isolated to 24 VA valves

n = number of energized solenoids

IO-Link (Port Class B): Connector: 1 x M12 5-pin



Connector: M12 5-pin A-coded

Male	Pin no.	Function	Tolerance	Max. current
	1	L+ (VS+) 24V electronics power supply	30%	max. 250 mA
	2	2L+ (VA+) 24V valves power supply	10%	max 25 mA + 70 mA x n
	3	L- (VS-) 0V electronics power supply		
	4	C/Q IO-Link communication		
	5	2M (VA-) 0V valves power supply		

n = number of energized solenoids

Fieldbus accessories

Fieldbus power connector	Description	Connection	Cable length	Protection class	Model
	PROFIBUS DP (4-pin, female) DeviceNet (4-pin, female) CANopen (4-pin, female)	M12	Wireable	IP65	V11588-E01
	PROFIBUS DP (5-pin, female)	7/8	Wireable	IP65	VS2672907-KG00
Communication cable and connector					
	DeviceNet (5-pin, female) CANopen (5-pin, female)	M12	Wireable	IP65	V11589-E01
	PROFIBUS DP, reverse keyway (5-pin, female)	M12	Wireable	IP65	V11590-E01
	PROFIBUS DP, reverse keyway (5-pin, male)	M12	Wireable	IP65	V11591-E01
	PROFIBUS DP connector (9-pin, male) with terminating resistor	D-Sub	Wireable	IP40	V11654-E01
	PROFIBUS DP terminating resistor (male)	M12	-	IP65	V11592-E01

Industrial Ethernet accessories

Industrial Ethernet power connector	Description	Connection	Cable length	Protection class	Model
	Industrial Ethernet power connector (5-pin, female)	M12	Wireable	IP65	V11589-E01

Industrial Ethernet - Cable and Connectors

Bus cable: 4-pin D-coded M12 - M12



Model	Cable length (m)
NC-124MS-1244SGA	0,5
NC-124MS-1244SG2	2,0
NC-124MS-1244SG5	5,0

Bus cable: 4-pin D-coded M12 - flying lead



Model	Cable length (m)
NC-124MS-00000G2	2,0
NC-124MS-00000G5	5,0

Bus connector RJ45 Wireable



NC-RJ450-00000000

Power cable: 5-pin A-coded M12 - flying lead



Model	Cable length (m)
NC-125FS-00000-5	5,0

IO-Link - Cables

Cable 5-pin A-code M12 - M12



Model	Cable length (m)
NC-125FS-125MS-A	0,6
NC-125FS-125MS-1	1,0
NC-125FS-125MS-2	2,0
NC-125FS-125MS-5	5,0

Cable 5-pin A-code M12 - flying lead



Model	Cable length (m)
NC-125FS-00000-5	5,0

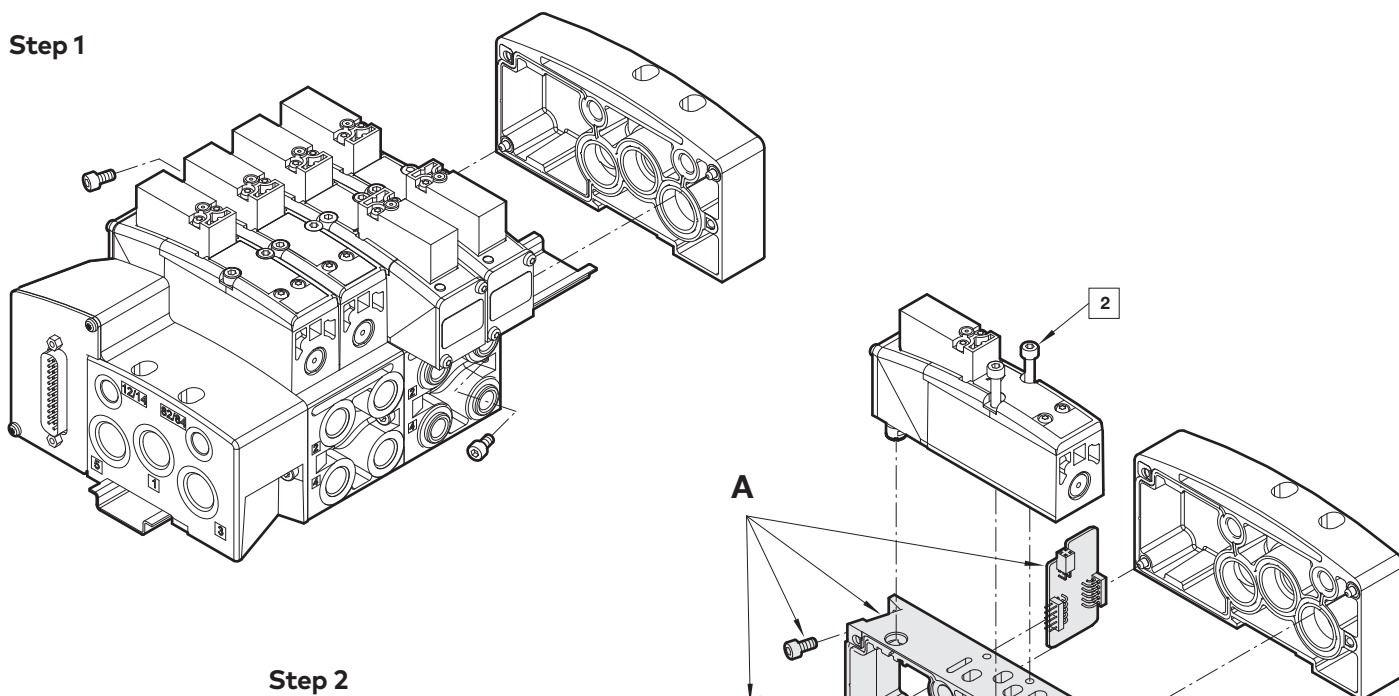
Multipole and Fieldbus component parts

A – Single add-on stations including PCB, sub-base, gasket and screws

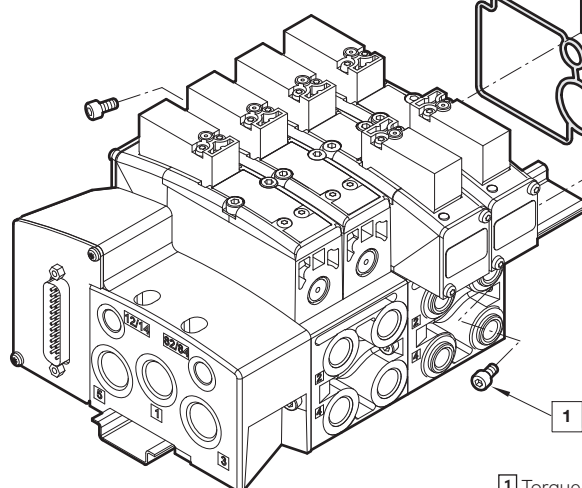
Ports 2 & 4	Description	Model
G1/4	Add-on station for D-Sub connectors and Fieldbus	VS2672504-BGF0
NPTF 1/4	Add-on station for D-Sub connectors and Fieldbus	VS2672504-RGF0
PIF 6 mm	Add-on station for D-Sub connectors and Fieldbus	VS2672504-YGF0
PIF 8 mm	Add-on station for D-Sub connectors and Fieldbus	VS2672504-8GF0
PIF 3/8	Add-on station for D-Sub connectors and Fieldbus	VS2672504-2GF0
G1/4	Add-on station for Conduit entry and M23 connector	VS2672505-BGF0
NPTF 1/4	Add-on station for Conduit entry and M23 connector	VS2672505-RGF0
PIF 6 mm	Add-on station for Conduit entry and M23 connector	VS2672505-YGF0
PIF 8 mm	Add-on station for Conduit entry and M23 connector	VS2672505-8GF0
PIF 3/8	Add-on station for Conduit entry and M23 connector	VS2672505-2GF0

Valves and accessories to be ordered separately, see pages 2 ... 10

Step 1



Step 2



1 Torque = 1,0 ... 1,1 Nm
Screwdriver speed = max. 1100 r.p.m

2 Torque = 1,2 ... 1,6 Nm
Screwdriver speed = max. 1100 r.p.m

For detailed assembly instructions, please see maintenance & instruction booklet

Multipole and Fieldbus component parts

Sub-bases and end plates (without PCB's) including screws and gaskets

A – End plate kit

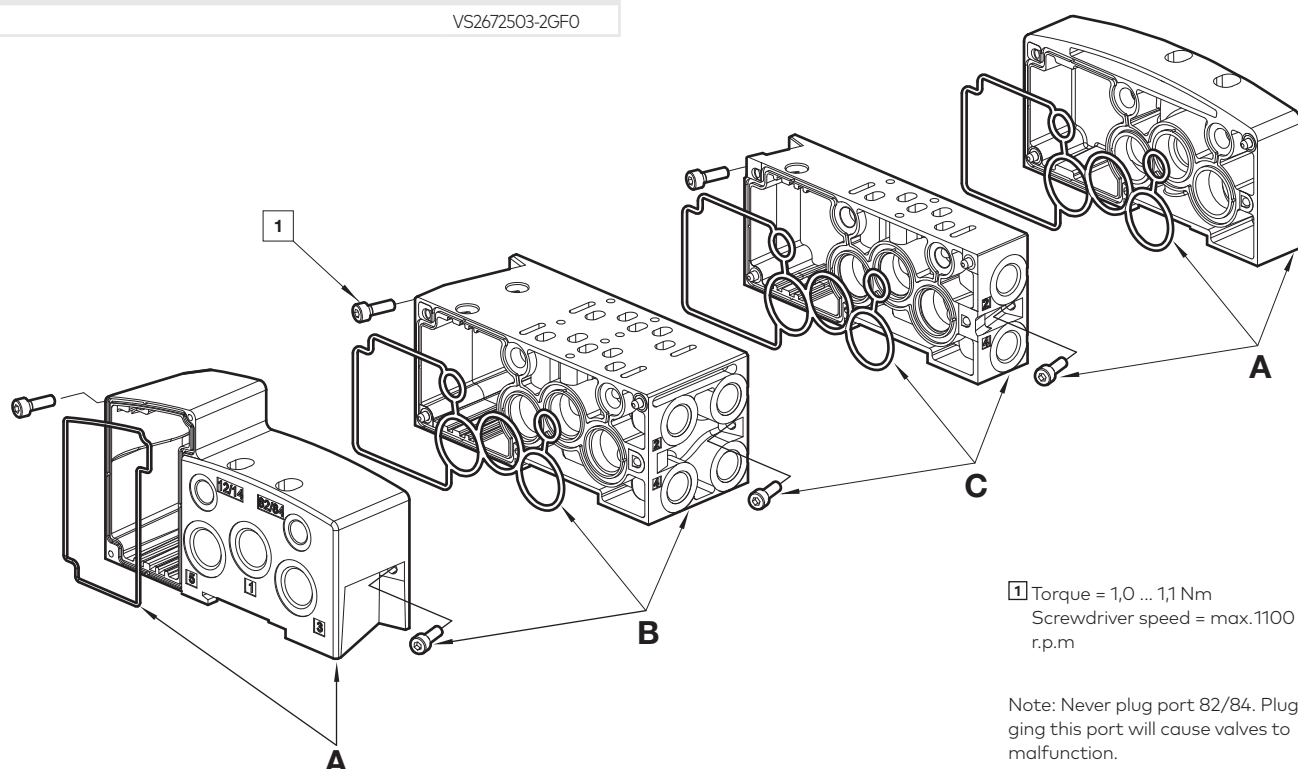
Description	Ports 1, 3 + 5	Ports 12/14 + 82/84	Model
End plate kit for Multipole	G3/8	G1/8	VS2672500-CGCO
End plate kit for Multipole	NPTF3/8	NPTF 1/8	VS2672500-SGCO
End plate kit for Fieldbus	G3/8	G1/8	VS2672501-CGCO
End plate kit for Fieldbus	NPTF3/8	NPTF 1/8	VS2672501-SGCO

B – Double station modular sub-base

Ports 2 + 4	Model
G1/4	VS2672502-BGFO
NPTF 1/4	VS2672502-RGFO
PIF10 mm	VS2672502-YGFO
PIF8 mm	VS2672502-8GFO
PIF3/8	VS2672502-2GFO

C – Single station modular sub-base

Ports 2 + 4	Model
G1/4	VS2672503-BGFO
NPTF 1/4	VS2672503-RGFO
PIF10 mm	VS2672503-YGFO
PIF8 mm	VS2672503-8GFO
PIF3/8	VS2672503-2GFO



1 Torque = 1,0 ... 1,1 Nm
Screwdriver speed = max.1100
r.p.m

Note: Never plug port 82/84. Plug-
ging this port will cause valves to
malfunction.
For detailed assembly instructions,
please see maintenance & instruction
booklet

Spare parts

Quantity per slice	Description	Model
2	Hexagon socket screw M4 x 12	77.31106
1	Gasket	94.00815
1	Connector-kit gasket on end plate	94.00816

Multipole component parts

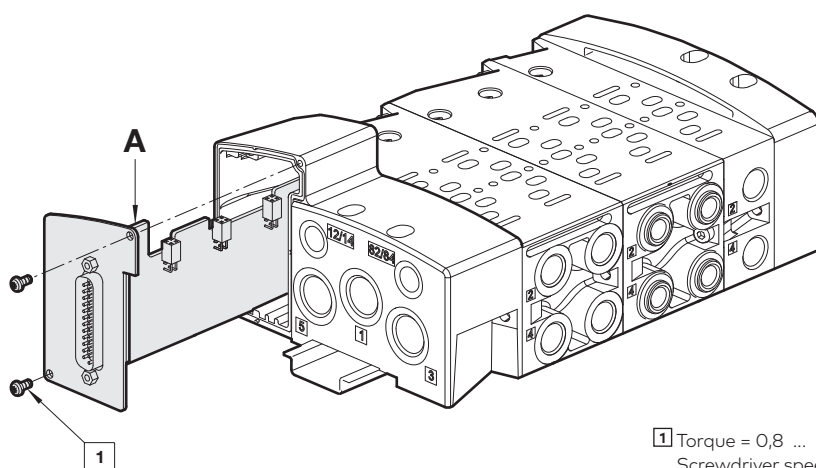
A – Output boards with D-Sub connectors

Connector type	Description	Expandable to max. x no. of stations	Voltage	Model
D-Sub 9-pin	Multipole PCB 2 stations	4	24 V d.c.	VS2672717-KG00
D-Sub 15-pin	Multipole PCB 2 stations	6	24 V d.c.	VS2672718-KG00
D-Sub 15-pin	Multipole PCB 4 stations	7	24 V d.c.	VS2672705-KG00
D-Sub 25-pin	Multipole PCB 2 stations	6	24 V d.c.	VS2672719-KG00
D-Sub 25-pin	Multipole PCB 4 stations	8	24 V d.c.	VS2672700-KG00
D-Sub 25-pin	Multipole PCB 6 stations	10	24 V d.c.	VS2672701-KG00
D-Sub 25-pin	Multipole PCB 8 stations	12	24 V d.c.	VS2672702-KG00
D-Sub 44-pin	Multipole PCB 8 stations	12	24 V d.c.	VS2672703-KG00
D-Sub 44-pin	Multipole PCB 10 stations	14	24 V d.c.	VS2672706-KG00
D-Sub 44-pin	Multipole PCB 12 stations	16	24 V d.c.	VS2672704-KG00
D-Sub 44-pin	Multipole PCB 16 stations	20	24 V d.c.	VS2672707-KG00

Valves and accessories to be ordered separately, see pages 2 ... 10

Expansion output boards for D-Sub connectors

Description	Voltage	Model
Multipole PCB 1 station	24 V d.c.	VS2672755-KG00
Multipole PCB 2 stations	24 V d.c.	VS2672713-KG00



1 Torque = 0,8 ... 0,9 Nm
Screwdriver speed = max. 1100 r.p.m

For detailed assembly instructions, please see maintenance & instruction booklet

Multipole components including screws and gaskets

A – Connector-kit for conduit entry

Description	Voltage	Model
E-Connector-kit NPTF 1 Conduit entry	115 V a.c., 24 V d.c.	VS2672742-KG00

B – Output boards for conduit entry and M23 connector

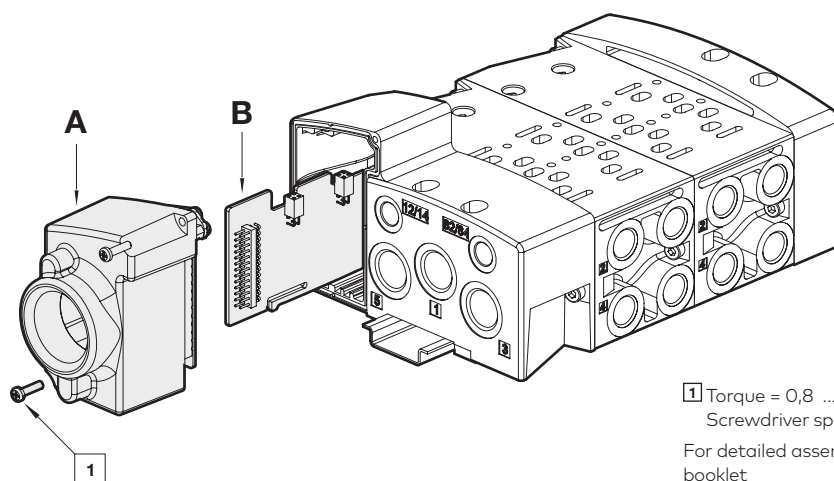
Description	Expandable to max. x no. of stations	Voltage	Model
Multipole PCB 2 stations	6	115 V a.c., 24 V d.c.	VS2672708-KG00
Multipole PCB 4 stations	8	115 V a.c., 24 V d.c.	VS2672709-KG00
Multipole PCB 6 stations	10	115 V a.c., 24 V d.c.	VS2672710-KG00
Multipole PCB 8 stations	12	115 V a.c., 24 V d.c.	VS2672711-KG00

C – Connector-kit for M23 connector

Description	Voltage	Model
E-Connector-kit M23 connector 19-pin	115 V a.c., 24 V d.c.	VS2672743-KG00

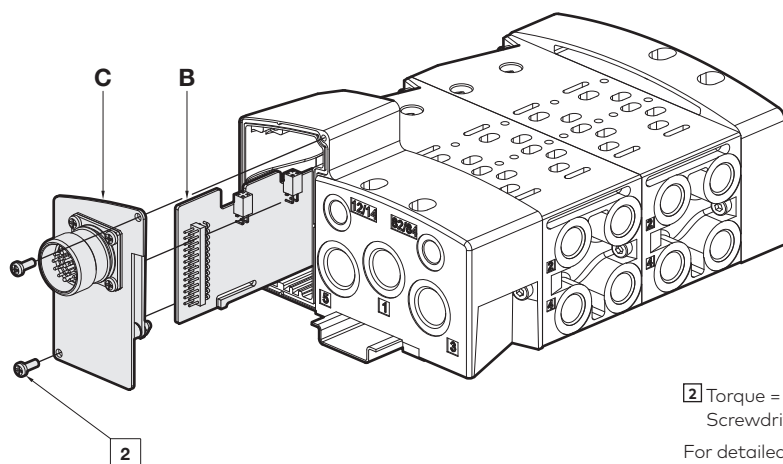
Expansion output boards for conduit entry and M23 connector

Description	Voltage	Model
Multipole PCB 1 station	115 V a.c., 24 V d.c.	VS2672756-KG00
Multipole PCB 2 stations	115 V a.c., 24 V d.c.	VS2672715-KG00



1 Torque = 0,8 ... 0,9 Nm
Screwdriver speed = max. 1100 r.p.m

For detailed assembly instructions, please see maintenance & instruction booklet



2 Torque = 0,8 ... 0,9 Nm
Screwdriver speed = max. 1100 r.p.m

For detailed assembly instructions, please see maintenance & instruction booklet

Extension of Industrial Ethernet and IO-Link versions

A – Two station PCB

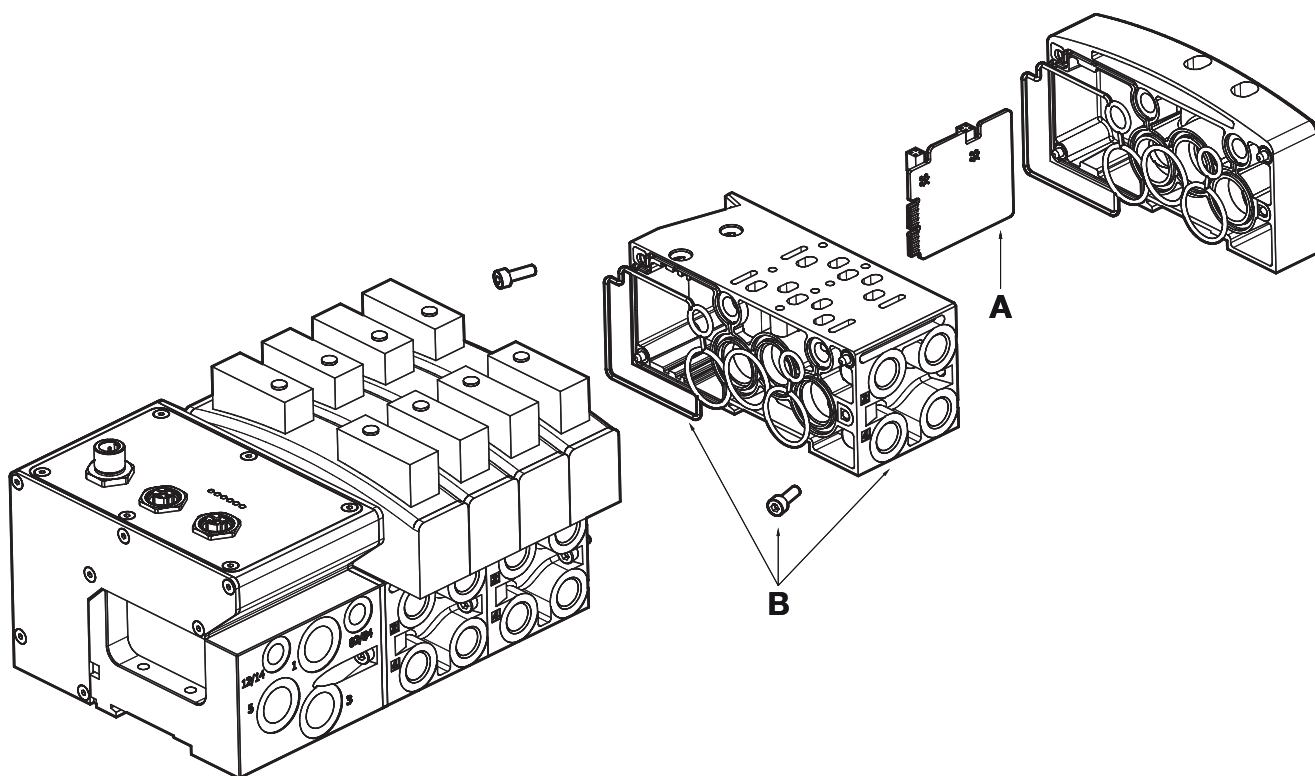
Description	Model
Double station end- and extension PCB	VS2672764-KG00

B – Double station modular sub-base

Ports 2 + 4	Model
G1/4	VS2672502-BGFO
NPTF 1/4	VS2672502-RGFO
PIF 10 mm	VS2672502-YGFO
PIF 8 mm	VS2672502-8GFO
PIF 3/8	VS2672502-2GFO

Additionally available PCBs

Description	Model
Four station end- and extension PCB	VS2672762-KG00
Single station blank PCB (no valve connections)	VS2672763-KG00



Part numbering for complete valve islands

VS26★★★★00-★★★★

Number of stations*	Substitute
1 stations	01
2 stations	02
3 stations	03
4 stations	04
5 stations	05
6 stations	06
7 stations	07
8 stations	08
9 stations	09
10 stations	10
11 stations	11
12 stations	12
13 stations	13
14 stations	14
15 stations	15
16 stations	16
17 stations	17
18 stations	18
19 stations	19
20 stations	20
Electrical connection	Substitute
Single Station	SS
Multipole D-Sub 9 pin	M9
Multipole D-Sub 15 pin	M1
Multipole D-Sub 25 pin	M2
Multipole M23 19-pin	M3
Multipole D-Sub 44-pin	M4
Conduit NPT	CD
PROFIBUS DP	PB
PROFINET IRT	PN
DeviceNet	DN
EtherNet/IP	EP
CANopen	CO
IO-Link	IL

To be defined by online Valve Island configurator based on valve slice selection

* Multipole: 2 to 20 stations
 Fieldbus: 2 to 16 stations
 Industrial Ethernet: 4 to 20 stations
 IO-Link: 2 to 20 stations

Valve Island Configurator Short Codes

Function 2 x 2/2 softseal	Actuation / return	Pilot supply	Manual override	Voltage	Short code	Model	ATEX Short code	ATEX Model
NC	Sol/Spring	Internal	Push only	24 V d.c. 1,2 W	STU	VS26SE11DF313A	XTU	VS26SE11DF313E
NC	Sol/Spring	Internal	Push only	115 V a.c. 1,5 VA	TTU	VS26SE11DF318A	-	-
NC	Sol/Spring	Internal	Push & turn	24 V d.c. 1,2 W	STT	VS26SE11DF213A	XTT	VS26SE11DF213E
NC	Sol/Spring	Internal	Push & turn	115 V a.c. 1,5 VA	TTT	VS26SE11DF218A	-	-
NC	Sol/Spring	Internal	Extended, push only	24 V d.c. 1,2 W	STE	VS26SE11DF513A	XTE	VS26SE11DF513E
NC	Sol/Spring	Internal	Extended, push only	115 V a.c. 1,5 VA	TTE	VS26SE11DF518A	-	-
NC	Sol/Spring	External	Push only	24 V d.c. 1,2 W	SWU	VS26SE22DF313A	XWU	VS26SE22DF313E
NC	Sol/Spring	External	Push only	115 V a.c. 1,5 VA	TWU	VS26SE22DF318A	-	-
NC	Sol/Spring	External	Push & turn	24 V d.c. 1,2 W	SWT	VS26SE22DF213A	XWT	VS26SE22DF213E
NC	Sol/Spring	External	Push & turn	115 V a.c. 1,5 VA	TWT	VS26SE22DF218A	-	-
NC	Sol/Spring	External	Extended, push only	24 V d.c. 1,2 W	SWE	VS26SE22DF513A	XWE	VS26SE22DF513E
NC	Sol/Spring	External	Extended, push only	115 V a.c. 1,5 VA	TWE	VS26SE22DF518A	-	-
NO	Sol/Spring	Internal	Push only	24 V d.c. 1,2 W	SUU	VS26SF11DF313A	XUU	VS26SF11DF313E
NO	Sol/Spring	Internal	Push only	115 V a.c. 1,5 VA	TUU	VS26SF11DF318A	-	-
NO	Sol/Spring	Internal	Push & turn	24 V d.c. 1,2 W	SUT	VS26SF11DF213A	XUT	VS26SF11DF213E
NO	Sol/Spring	Internal	Push & turn	115 V a.c. 1,5 VA	TUT	VS26SF11DF218A	-	-
NO	Sol/Spring	Internal	Extended, push only	24 V d.c. 1,2 W	SUE	VS26SF11DF513A	XUE	VS26SF11DF513E
NO	Sol/Spring	Internal	Extended, push only	115 V a.c. 1,5 VA	TUE	VS26SF11DF518A	-	-
NO	Sol/Spring	External	Push only	24 V d.c. 1,2 W	SXU	VS26SF22DF313A	XXU	VS26SF22DF313E
NO	Sol/Spring	External	Push only	115 V a.c. 1,5 VA	TXU	VS26SF22DF318A	-	-
NO	Sol/Spring	External	Push & turn	24 V d.c. 1,2 W	SXT	VS26SF22DF213A	XXT	VS26SF22DF213E
NO	Sol/Spring	External	Push & turn	115 V a.c. 1,5 VA	TXT	VS26SF22DF218A	-	-
NO	Sol/Spring	External	Extended, push only	24 V d.c. 1,2 W	SXE	VS26SF22DF513A	XXE	VS26SF22DF513E
NO	Sol/Spring	External	Extended, push only	115 V a.c. 1,5 VA	TXE	VS26SF22DF518A	-	-
NO/NC	Sol/Spring	Internal	Push only	24 V d.c. 1,2 W	SVU	VS26SG11DF313A	XVU	VS26SG11DF313E
NO/NC	Sol/Spring	Internal	Push only	115 V a.c. 1,5 VA	TVU	VS26SG11DF318A	-	-
NO/NC	Sol/Spring	Internal	Push & turn	24 V d.c. 1,2 W	SVT	VS26SG11DF213A	XVT	VS26SG11DF213E
NO/NC	Sol/Spring	Internal	Push & turn	115 V a.c. 1,5 VA	TVT	VS26SG11DF218A	-	-
NO/NC	Sol/Spring	Internal	Extended, push only	24 V d.c. 1,2 W	SVE	VS26SG11DF513A	XVE	VS26SG11DF513E
NO/NC	Sol/Spring	Internal	Extended, push only	115 V a.c. 1,5 VA	TVE	VS26SG11DF518A	-	-
NO/NC	Sol/Spring	External	Push only	24 V d.c. 1,2 W	SYU	VS26SG22DF313A	XYU	VS26SG22DF313E
NO/NC	Sol/Spring	External	Push only	115 V a.c. 1,5 VA	TYU	VS26SG22DF318A	-	-
NO/NC	Sol/Spring	External	Push & turn	24 V d.c. 1,2 W	SYT	VS26SG22DF213A	XYT	VS26SG22DF213E
NO/NC	Sol/Spring	External	Push & turn	115 V a.c. 1,5 VA	TYT	VS26SG22DF218A	-	-
NO/NC	Sol/Spring	External	Extended, push only	24 V d.c. 1,2 W	SYE	VS26SG22DF513A	XYE	VS26SG22DF513E
NO/NC	Sol/Spring	External	Extended, push only	115 V a.c. 1,5 VA	TYE	VS26SG22DF518A	-	-

Function 2 x 3/2 softseal	Actuation / return	Pilot supply	Manual override	Voltage	Short code	Model	ATEX Short code	ATEX Model
NC	Sol/Spring	Internal	Push only	24 V d.c. 1,2 W	SAU	VS26SA11DF313A	XAU	VS26SA11DF313E
NC	Sol/Spring	Internal	Push only	115 V a.c. 1,5 VA	TAU	VS26SA11DF318A	-	-
NC	Sol/Spring	Internal	Push & turn	24 V d.c. 1,2 W	SAT	VS26SA11DF213A	XAT	VS26SA11DF213E
NC	Sol/Spring	Internal	Push & turn	115 V a.c. 1,5 VA	TAT	VS26SA11DF218A	-	-
NC	Sol/Spring	Internal	Extended, push only	24 V d.c. 1,2 W	SAE	VS26SA11DF513A	XAE	VS26SA11DF513E
NC	Sol/Spring	Internal	Extended, push only	115 V a.c. 1,5 VA	TAE	VS26SA11DF518A	-	-
NC	Sol/Spring	External	Push only	24 V d.c. 1,2 W	SDU	VS26SA22DF313A	XDU	VS26SA22DF313E
NC	Sol/Spring	External	Push only	115 V a.c. 1,5 VA	TDU	VS26SA22DF318A	-	-
NC	Sol/Spring	External	Push & turn	24 V d.c. 1,2 W	SDT	VS26SA22DF213A	XDT	VS26SA22DF213E
NC	Sol/Spring	External	Push & turn	115 V a.c. 1,5 VA	TDT	VS26SA22DF218A	-	-
NC	Sol/Spring	External	Extended, push only	24 V d.c. 1,2 W	SDE	VS26SA22DF513A	XDE	VS26SA22DF513E
NC	Sol/Spring	External	Extended, push only	115 V a.c. 1,5 VA	TDE	VS26SA22DF518A	-	-
NO	Sol/Spring	Internal	Push only	24 V d.c. 1,2 W	SBU	VS26SB11DF313A	XBU	VS26SB11DF313E
NO	Sol/Spring	Internal	Push only	115 V a.c. 1,5 VA	TBU	VS26SB11DF318A	-	-
NO	Sol/Spring	Internal	Push & turn	24 V d.c. 1,2 W	SBT	VS26SB11DF213A	XBT	VS26SB11DF213E
NO	Sol/Spring	Internal	Push & turn	115 V a.c. 1,5 VA	TBT	VS26SB11DF218A	-	-
NO	Sol/Spring	Internal	Extended, push only	24 V d.c. 1,2 W	SBE	VS26SB11DF513A	XBE	VS26SB11DF513E
NO	Sol/Spring	Internal	Extended, push only	115 V a.c. 1,5 VA	TBE	VS26SB11DF518A	-	-
NO	Sol/Spring	External	Push only	24 V d.c. 1,2 W	SEU	VS26SB22DF313A	XEU	VS26SB22DF313E
NO	Sol/Spring	External	Push only	115 V a.c. 1,5 VA	TEU	VS26SB22DF318A	-	-
NO	Sol/Spring	External	Push & turn	24 V d.c. 1,2 W	SET	VS26SB22DF213A	XET	VS26SB22DF213E
NO	Sol/Spring	External	Push & turn	115 V a.c. 1,5 VA	TET	VS26SB22DF218A	-	-
NO	Sol/Spring	External	Extended, push only	24 V d.c. 1,2 W	SEE	VS26SB22DF513A	XEE	VS26SB22DF513E
NO	Sol/Spring	External	Extended, push only	115 V a.c. 1,5 VA	TEE	VS26SB22DF518A	-	-
NO/NC	Sol/Spring	Internal	Push only	24 V d.c. 1,2 W	SCU	VS26SC11DF313A	XCU	VS26SC11DF313E
NO/NC	Sol/Spring	Internal	Push only	115 V a.c. 1,5 VA	TCU	VS26SC11DF318A	-	-
NO/NC	Sol/Spring	Internal	Push & turn	24 V d.c. 1,2 W	SCT	VS26SC11DF213A	XCT	VS26SC11DF213E
NO/NC	Sol/Spring	Internal	Push & turn	115 V a.c. 1,5 VA	TCT	VS26SC11DF218A	-	-
NO/NC	Sol/Spring	Internal	Extended, push only	24 V d.c. 1,2 W	SCE	VS26SC11DF513A	XCE	VS26SC11DF513E
NO/NC	Sol/Spring	Internal	Extended, push only	115 V a.c. 1,5 VA	TCE	VS26SC11DF518A	-	-
NO/NC	Sol/Spring	External	Push only	24 V d.c. 1,2 W	SFU	VS26SC22DF313A	XFU	VS26SC22DF313E
NO/NC	Sol/Spring	External	Push only	115 V a.c. 1,5 VA	TFU	VS26SC22DF318A	-	-
NO/NC	Sol/Spring	External	Push & turn	24 V d.c. 1,2 W	SFT	VS26SC22DF213A	XFT	VS26SC22DF213E
NO/NC	Sol/Spring	External	Push & turn	115 V a.c. 1,5 VA	TFT	VS26SC22DF218A	-	-
NO/NC	Sol/Spring	External	Extended, push only	24 V d.c. 1,2 W	SFE	VS26SC22DF513A	XFE	VS26SC22DF513E
NO/NC	Sol/Spring	External	Extended, push only	115 V a.c. 1,5 VA	TFE	VS26SC22DF518A	-	-

Function 5/2 softseal	Actuation / return	Pilot supply	Manual override	Voltage	Short code	Model	ATEX Short code	ATEX Model
BI	Sol/Sol	Internal	Push only	24 V d.c. 1,2 W	SJU	VS26S511DF313A	XJU	VS26S511DF313E
BI	Sol/Sol	Internal	Push only	115 V a.c. 1,5 VA	TJU	VS26S511DF318A	-	-
BI	Sol/Sol	Internal	Push & turn	24 V d.c. 1,2 W	SJT	VS26S511DF213A	XJT	VS26S511DF213E
BI	Sol/Sol	Internal	Push & turn	115 V a.c. 1,5 VA	TJT	VS26S511DF218A	-	-
BI	Sol/Sol	Internal	Extended, push only	24 V d.c. 1,2 W	SJE	VS26S511DF513A	XJE	VS26S511DF513E
BI	Sol/Sol	Internal	Extended, push only	115 V a.c. 1,5 VA	TJE	VS26S511DF518A	-	-
BI	Sol/Sol	External	Push only	24 V d.c. 1,2 W	SKU	VS26S522DF313A	XKU	VS26S522DF313E
BI	Sol/Sol	External	Push only	115 V a.c. 1,5 VA	TKU	VS26S522DF318A	-	-
BI	Sol/Sol	External	Push & turn	24 V d.c. 1,2 W	SKT	VS26S522DF213A	XKT	VS26S522DF213E
BI	Sol/Sol	External	Push & turn	115 V a.c. 1,5 VA	TKT	VS26S522DF218A	-	-
BI	Sol/Sol	External	Extended, push only	24 V d.c. 1,2 W	SKE	VS26S522DF513A	XKE	VS26S522DF513E
BI	Sol/Sol	External	Extended, push only	115 V a.c. 1,5 VA	TKE	VS26S522DF518A	-	-
MO	Sol/Spring	Internal	Push only	24 V d.c. 1,2 W	SGU	VS26S517DF313A	XGU	VS26S517DF313E
MO	Sol/Spring	Internal	Push only	115 V a.c. 1,5 VA	TGU	VS26S517DF318A	-	-
MO	Sol/Spring	Internal	Push & turn	24 V d.c. 1,2 W	SGT	VS26S517DF213A	XGT	VS26S517DF213E
MO	Sol/Spring	Internal	Push & turn	115 V a.c. 1,5 VA	TGT	VS26S517DF218A	-	-
MO	Sol/Spring	Internal	Extended, push only	24 V d.c. 1,2 W	SGE	VS26S517DF513A	XGE	VS26S517DF513E
MO	Sol/Spring	Internal	Extended, push only	115 V a.c. 1,5 VA	TGE	VS26S517DF518A	-	-
MO	Sol/Spring	External	Push only	24 V d.c. 1,2 W	SHU	VS26S527DF313A	XHU	VS26S527DF313E
MO	Sol/Spring	External	Push only	115 V a.c. 1,5 VA	THU	VS26S527DF318A	-	-
MO	Sol/Spring	External	Push & turn	24 V d.c. 1,2 W	SHT	VS26S527DF213A	XHT	VS26S527DF213E
MO	Sol/Spring	External	Push & turn	115 V a.c. 1,5 VA	THT	VS26S527DF218A	-	-
MO	Sol/Spring	External	Extended, push only	24 V d.c. 1,2 W	SHE	VS26S527DF513A	XHE	VS26S527DF513E
MO	Sol/Spring	External	Extended, push only	115 V a.c. 1,5 VA	THE	VS26S527DF518A	-	-
Function 5/2 glandless	Actuation / return	Pilot supply	Manual override	Voltage	Short code	Model	ATEX Short code	ATEX Model
BI	Sol/Sol	Internal	Push only	24 V d.c. 1,2 W	GJU	VS26G511DF313A	LJU	VS26G511DF313E
BI	Sol/Sol	Internal	Push only	115 V a.c. 1,5 VA	HJU	VS26G511DF318A	-	-
BI	Sol/Sol	Internal	Push & turn	24 V d.c. 1,2 W	GJT	VS26G511DF213A	LJT	VS26G511DF213E
BI	Sol/Sol	Internal	Push & turn	115 V a.c. 1,5 VA	HJT	VS26G511DF218A	-	-
BI	Sol/Sol	Internal	Extended, push only	24 V d.c. 1,2 W	GJE	VS26G511DF513A	LJE	VS26G511DF513E
BI	Sol/Sol	Internal	Extended, push only	115 V a.c. 1,5 VA	HJE	VS26G511DF518A	-	-
BI	Sol/Sol	External	Push only	24 V d.c. 1,2 W	GKU	VS26G522DF313A	LKU	VS26G522DF313E
BI	Sol/Sol	External	Push only	115 V a.c. 1,5 VA	HKU	VS26G522DF318A	-	-
BI	Sol/Sol	External	Push & turn	24 V d.c. 1,2 W	GKT	VS26G522DF213A	LKT	VS26G522DF213E
BI	Sol/Sol	External	Push & turn	115 V a.c. 1,5 VA	HKT	VS26G522DF218A	-	-
BI	Sol/Sol	External	Extended, push only	24 V d.c. 1,2 W	GKE	VS26G522DF513A	LKE	VS26G522DF513E
BI	Sol/Sol	External	Extended, push only	115 V a.c. 1,5 VA	HKE	VS26G522DF518A	-	-
BI	Sol (Priority)/Sol	Internal	Push only	24 V d.c. 1,2 W	GSU	VS26G591DF313A	LSU	VS26G591DF313E
BI	Sol (Priority)/Sol	Internal	Push only	115 V a.c. 1,5 VA	HSU	VS26G591DF318A	-	-
BI	Sol (Priority)/Sol	Internal	Push & turn	24 V d.c. 1,2 W	GST	VS26G591DF213A	LST	VS26G591DF213E
BI	Sol (Priority)/Sol	Internal	Push & turn	115 V a.c. 1,5 VA	HST	VS26G591DF218A	-	-
BI	Sol (Priority)/Sol	Internal	Extended, push only	24 V d.c. 1,2 W	GSE	VS26G591DF513A	LSE	VS26G591DF513E
BI	Sol (Priority)/Sol	Internal	Extended, push only	115 V a.c. 1,5 VA	HSE	VS26G591DF518A	-	-
BI	Sol (Priority)/Sol	External	Push only	24 V d.c. 1,2 W	GTU	VS26G592DF313A	LTU	VS26G592DF313E
BI	Sol (Priority)/Sol	External	Push only	115 V a.c. 1,5 VA	HTU	VS26G592DF318A	-	-
BI	Sol (Priority)/Sol	External	Push & turn	24 V d.c. 1,2 W	GTT	VS26G592DF213A	LTT	VS26G592DF213E
BI	Sol (Priority)/Sol	External	Push & turn	115 V a.c. 1,5 VA	HTT	VS26G592DF218A	-	-
BI	Sol (Priority)/Sol	External	Extended, push only	24 V d.c. 1,2 W	GTE	VS26G592DF513A	LTE	VS26G592DF513E
BI	Sol (Priority)/Sol	External	Extended, push only	115 V a.c. 1,5 VA	HTE	VS26G592DF518A	-	-
MO	Sol/Spring	Internal	Push only	24 V d.c. 1,2 W	GGU	VS26G517DF313A	LGU	VS26G517DF313E
MO	Sol/Spring	Internal	Push only	115 V a.c. 1,5 VA	HGU	VS26G517DF318A	-	-
MO	Sol/Spring	Internal	Push & turn	24 V d.c. 1,2 W	GGT	VS26G517DF213A	LGT	VS26G517DF213E
MO	Sol/Spring	Internal	Push & turn	115 V a.c. 1,5 VA	HGT	VS26G517DF218A	-	-
MO	Sol/Spring	Internal	Extended, push only	24 V d.c. 1,2 W	GGE	VS26G517DF513A	LGE	VS26G517DF513E
MO	Sol/Spring	Internal	Extended, push only	115 V a.c. 1,5 VA	HGE	VS26G517DF518A	-	-
MO	Sol/Spring	External	Push only	24 V d.c. 1,2 W	GHU	VS26G527DF313A	LHU	VS26G527DF313E
MO	Sol/Spring	External	Push only	115 V a.c. 1,5 VA	HHU	VS26G527DF318A	-	-
MO	Sol/Spring	External	Push & turn	24 V d.c. 1,2 W	GHT	VS26G527DF213A	LHT	VS26G527DF213E
MO	Sol/Spring	External	Push & turn	115 V a.c. 1,5 VA	HHT	VS26G527DF218A	-	-
MO	Sol/Spring	External	Extended, push only	24 V d.c. 1,2 W	GHE	VS26G527DF513A	LHE	VS26G527DF513E
MO	Sol/Spring	External	Extended, push only	115 V a.c. 1,5 VA	HHE	VS26G527DF518A	-	-

Function 5/3 softseal	Actuation / return	Pilot supply	Manual override	Voltage	Short code	Model	ATEX Short code	ATEX Model
APB	Sol/Sol	Internal	Push only	24 V d.c. 1,2 W	SLU	VS26S611DF313A	XLU	VS26S611DF313E
APB	Sol/Sol	Internal	Push only	115 V a.c. 1,5 VA	TLU	VS26S611DF318A	-	-
APB	Sol/Sol	Internal	Push & turn	24 V d.c. 1,2 W	SLT	VS26S611DF213A	XLT	VS26S611DF213E
APB	Sol/Sol	Internal	Push & turn	115 V a.c. 1,5 VA	TLT	VS26S611DF218A	-	-
APB	Sol/Sol	Internal	Extended, push only	24 V d.c. 1,2 W	SLE	VS26S611DF513A	XLE	VS26S611DF513E
APB	Sol/Sol	Internal	Extended, push only	115 V a.c. 1,5 VA	TLE	VS26S611DF518A	-	-
APB	Sol/Sol	External	Push only	24 V d.c. 1,2 W	SMU	VS26S622DF313A	XMU	VS26S622DF313E
APB	Sol/Sol	External	Push only	115 V a.c. 1,5 VA	TMU	VS26S622DF318A	-	-
APB	Sol/Sol	External	Push & turn	24 V d.c. 1,2 W	SMT	VS26S622DF213A	XMT	VS26S622DF213E
APB	Sol/Sol	External	Push & turn	115 V a.c. 1,5 VA	TMT	VS26S622DF218A	-	-
APB	Sol/Sol	External	Extended, push only	24 V d.c. 1,2 W	SME	VS26S622DF513A	XME	VS26S622DF513E
APB	Sol/Sol	External	Extended, push only	115 V a.c. 1,5 VA	TME	VS26S622DF518A	-	-
COE	Sol/Sol	Internal	Push only	24 V d.c. 1,2 W	SQU	VS26S711DF313A	XQU	VS26S711DF313E
COE	Sol/Sol	Internal	Push only	115 V a.c. 1,5 VA	TQU	VS26S711DF318A	-	-
COE	Sol/Sol	Internal	Push & turn	24 V d.c. 1,2 W	SQT	VS26S711DF213A	XQT	VS26S711DF213E
COE	Sol/Sol	Internal	Push & turn	115 V a.c. 1,5 VA	TQT	VS26S711DF218A	-	-
COE	Sol/Sol	Internal	Extended, push only	24 V d.c. 1,2 W	SQE	VS26S711DF513A	XQE	VS26S711DF513E
COE	Sol/Sol	Internal	Extended, push only	115 V a.c. 1,5 VA	TQE	VS26S711DF518A	-	-
COE	Sol/Sol	External	Push only	24 V d.c. 1,2 W	SRU	VS26S722DF313A	XRU	VS26S722DF313E
COE	Sol/Sol	External	Push only	115 V a.c. 1,5 VA	TRU	VS26S722DF318A	-	-
COE	Sol/Sol	External	Push & turn	24 V d.c. 1,2 W	SRT	VS26S722DF213A	XRT	VS26S722DF213E
COE	Sol/Sol	External	Push & turn	115 V a.c. 1,5 VA	TRT	VS26S722DF218A	-	-
COE	Sol/Sol	External	Extended, push only	24 V d.c. 1,2 W	SRE	VS26S722DF513A	XRE	VS26S722DF513E
COE	Sol/Sol	External	Extended, push only	115 V a.c. 1,5 VA	TRE	VS26S722DF518A	-	-
Function 5/3 glandless	Actuation / return	Pilot supply	Manual override	Voltage	Short code	Model	ATEX Short code	ATEX Model
APB	Sol/Sol	Internal	Push only	24 V d.c. 1,2 W	GLU	VS26G611DF313A	LLU	VS26G611DF313E
APB	Sol/Sol	Internal	Push only	115 V a.c. 1,5 VA	HLU	VS26G611DF318A	-	-
APB	Sol/Sol	Internal	Push & turn	24 V d.c. 1,2 W	GLT	VS26G611DF213A	LLT	VS26G611DF213E
APB	Sol/Sol	Internal	Push & turn	115 V a.c. 1,5 VA	HLT	VS26G611DF218A	-	-
APB	Sol/Sol	Internal	Extended, push only	24 V d.c. 1,2 W	GLE	VS26G611DF513A	LLE	VS26G611DF513E
APB	Sol/Sol	Internal	Extended, push only	115 V a.c. 1,5 VA	HLE	VS26G611DF518A	-	-
APB	Sol/Sol	External	Push only	24 V d.c. 1,2 W	GMU	VS26G622DF313A	LMU	VS26G622DF313E
APB	Sol/Sol	External	Push only	115 V a.c. 1,5 VA	HMU	VS26G622DF318A	-	-
APB	Sol/Sol	External	Push & turn	24 V d.c. 1,2 W	GMT	VS26G622DF213A	LMT	VS26G622DF213E
APB	Sol/Sol	External	Push & turn	115 V a.c. 1,5 VA	HMT	VS26G622DF218A	-	-
APB	Sol/Sol	External	Extended, push only	24 V d.c. 1,2 W	GME	VS26G622DF513A	LME	VS26G622DF513E
APB	Sol/Sol	External	Extended, push only	115 V a.c. 1,5 VA	HME	VS26G622DF518A	-	-
COE	Sol/Sol	Internal	Push only	24 V d.c. 1,2 W	GQU	VS26G711DF313A	LQU	VS26G711DF313E
COE	Sol/Sol	Internal	Push only	115 V a.c. 1,5 VA	HQU	VS26G711DF318A	-	-
COE	Sol/Sol	Internal	Push & turn	24 V d.c. 1,2 W	GQT	VS26G711DF213A	LQT	VS26G711DF213E
COE	Sol/Sol	Internal	Push & turn	115 V a.c. 1,5 VA	HQT	VS26G711DF218A	-	-
COE	Sol/Sol	Internal	Extended, push only	24 V d.c. 1,2 W	GQE	VS26G711DF513A	LQE	VS26G711DF513E
COE	Sol/Sol	Internal	Extended, push only	115 V a.c. 1,5 VA	HQE	VS26G711DF518A	-	-
COE	Sol/Sol	External	Push only	24 V d.c. 1,2 W	GRU	VS26G722DF313A	LRU	VS26G722DF313E
COE	Sol/Sol	External	Push only	115 V a.c. 1,5 VA	HRU	VS26G722DF318A	-	-
COE	Sol/Sol	External	Push & turn	24 V d.c. 1,2 W	GRT	VS26G722DF213A	LRT	VS26G722DF213E
COE	Sol/Sol	External	Push & turn	115 V a.c. 1,5 VA	HRT	VS26G722DF218A	-	-
COE	Sol/Sol	External	Extended, push only	24 V d.c. 1,2 W	GRE	VS26G722DF513A	LRE	VS26G722DF513E
COE	Sol/Sol	External	Extended, push only	115 V a.c. 1,5 VA	HRE	VS26G722DF518A	-	-

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **»Technical features/data«**. Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI Precision Engineering.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

VR Series, 2 x 3/2, 5/2 or 5/3 Valve Islands



- > Vertical or Horizontal 24V DC Multipole
- > Industrial Ethernet and IO-Link
- > 10/15mm Valve Island
- > Modular system offering a wide range of configuration options
- > LED indicator of solenoid function
- > No restriction in installation
- > Upto 24 solenoids
- > Easy to replace valves and fittings
- > IP40 or IP65 protection
- > To configure and order a








Technical features

Medium:

Compressed air, filtered to 40 µm, lubricated or non-lubricated

Operation:

Dynamic softseal spool valve, solenoid pilot operated

Flow:

VR10

Function	l/min	Cv	Kv
5/2	220	0.22	0.20
5/3	270	0.27	0.24
2 x 3/2	220	0.22	0.20

VR15

Function	l/min	Cv	Kv
5/2	520	0.53	0.47
5/3	590	0.60	0.54
2 x 3/2	460	0.47	0.42

Mounting:

Sub-base

Ports 1, 3 & 5 (P,E):

VR10: PIF 8 mm, 5/16"

VR15: PIF 10 mm, 3/8"

Ports 2 & 4 (A,B):

VR10: PIF 4 mm, 6 mm, 5/32", 1/4"

VR15: PIF 4 mm, 6 mm, 8 mm, 5/32", 1/4", 5/16"

Operating pressure:

Maximum pressure 7 bar (101 psi). Details of minimum and maximum pilot pressure see overleaf

Media/Ambient temperature:

-5 ... +50°C (+23 ... 122°F)

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:

Body:

ZnDC and ADC

Spool: Aluminium

Seal: NBR

Sub-base: PA66

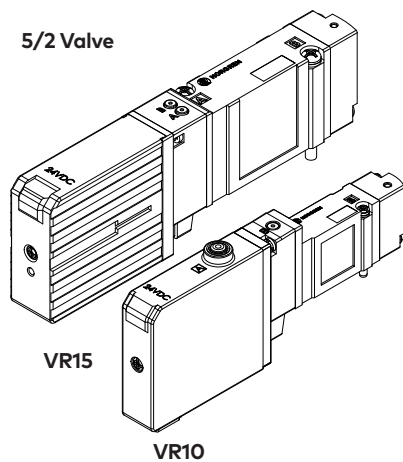
Electrical details for solenoid operators

Supply voltage*:	12 V d.c. & 24V d.c.
Power consumption*:	12 V d.c. & 24 V d.c 0.45W (Energy saving type)
Manual override:	Push only
Rating:	100% E.D.
Indication:	LED red/green
Surge suppression:	surge protecting circuit is equipped
Protection class:	IP40 or IP65

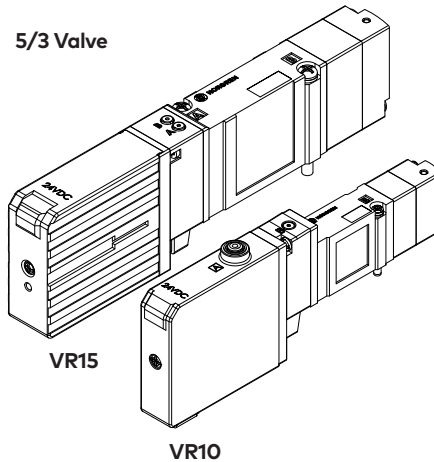
*12V d.c. valves only for Multipole

Technical data valve

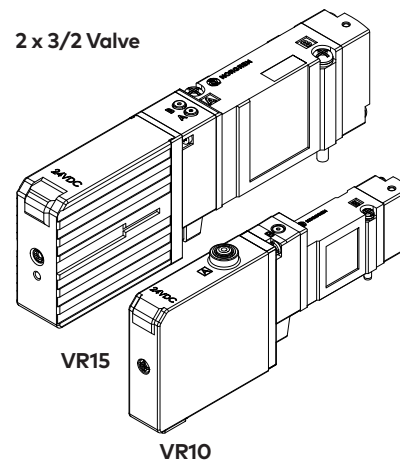
5/2 Valve



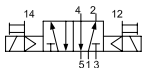
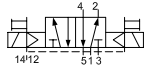
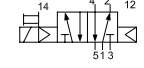
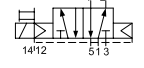
5/3 Valve



2 x 3/2 Valve

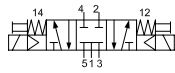
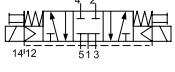
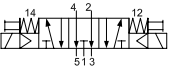
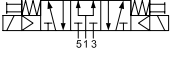
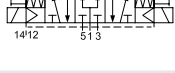


5/2 Single and double solenoid actuated valves

Symbol	Series	Function	Actuation	Pilot Supply	Pilot Pressure (bar / psi)	Operating Pressure (bar / psi)	Manual Override	Voltage *1)	Weight (kg / lbs)	Model PNP
	VR10	5/2	Sol./Sol.	Internal	2-7 / 29-101	2-7 / 29-101	Push only	24 V d.c	0.069 / 0.1518	VR10S511BV313A
	VR15	5/2	Sol./Sol.	Internal	2-7 / 29-101	2-7 / 29-101	Push only	24 V d.c	0.093 / 0.2046	VR15S511BV313A
	VR10	5/2	Sol./Sol.	Internal	2-7 / 29-101	2-7 / 29-101	Push only	12V d.c	0.069 / 0.1518	VR10S511BV312A
	VR15	5/2	Sol./Sol.	Internal	2-7 / 29-101	2-7 / 29-101	Push only	12V d.c	0.093 / 0.2046	VR15S511BV312A
	VR10	5/2	Sol./Sol.	External	2-7 / 29-101	-1-7 / -14.5-101	Push only	24 V d.c	0.069 / 0.1518	VR10S522BV313A
	VR15	5/2	Sol./Sol.	External	2-7 / 29-101	-1-7 / -14.5-101	Push only	24 V d.c	0.093 / 0.2046	VR15S522BV313A
	VR10	5/2	Sol./Sol.	External	2-7 / 29-101	-1-7 / -14.5-101	Push only	12V d.c	0.069 / 0.1518	VR10S522BV312A
	VR15	5/2	Sol./Sol.	External	2-7 / 29-101	-1-7 / -14.5-101	Push only	12V d.c	0.093 / 0.2046	VR15S522BV312A
	VR10	5/2	Sol./Spring	Internal	2-7 / 29-101	2-7 / 29-101	Push only	24 V d.c	0.061 / 0.1342	VR10S513BV313A
	VR15	5/2	Sol./Spring	Internal	2-7 / 29-101	2-7 / 29-101	Push only	24 V d.c	0.084 / 0.1848	VR15S513BV313A
	VR10	5/2	Sol./Spring	Internal	2-7 / 29-101	2-7 / 29-101	Push only	12V d.c	0.061 / 0.1342	VR10S513BV312A
	VR15	5/2	Sol./Spring	Internal	2-7 / 29-101	2-7 / 29-101	Push only	12V d.c	0.084 / 0.1848	VR15S513BV312A
	VR10	5/2	Sol./Spring	External	2-7 / 29-101	-1-7 / -14.5-101	Push only	24 V d.c	0.061 / 0.1342	VR10S523BV313A
	VR15	5/2	Sol./Spring	External	2-7 / 29-101	-1-7 / -14.5-101	Push only	24 V d.c	0.084 / 0.1848	VR15S523BV313A
	VR10	5/2	Sol./Spring	External	2-7 / 29-101	-1-7 / -14.5-101	Push only	12V d.c	0.061 / 0.1342	VR10S523BV312A
	VR15	5/2	Sol./Spring	External	2-7 / 29-101	-1-7 / -14.5-101	Push only	12V d.c	0.084 / 0.1848	VR15S523BV312A

*1) 12V d.c. valves only for Multipole / all solenoids are a 0.45W energy saving type

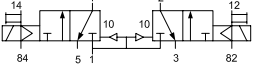
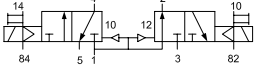
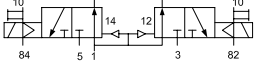
5/3 Single and double solenoid actuated valves

Symbol	Series	Function	Actuation	Pilot Supply	Pilot Pressure (bar / psi)	Operating Pressure (bar / psi)	Manual Override	Voltage *1)	Weight (kg / lbs)	Model PNP
	VR10	5/3	APB	Internal	2-7 / 29-101	2-7 / 29-101	Push only	24 V d.c	0.071 / 0.1562	VR10S611BV313A
	VR15	5/3	APB	Internal	2-7 / 29-101	2-7 / 29-101	Push only	24 V d.c	0.100 / 0.220	VR15S611BV313A
	VR10	5/3	APB	Internal	2-7 / 29-101	2-7 / 29-101	Push only	12V d.c	0.071 / 0.1562	VR10S611BV312A
	VR15	5/3	APB	Internal	2-7 / 29-101	2-7 / 29-101	Push only	12V d.c	0.100 / 0.220	VR15S611BV312A
	VR10	5/3	APB	Extern	2-7 / 29-101	-1-7 / -14.5-101	Push only	24 V d.c	0.071 / 0.1562	VR10S622BV313A
	VR15	5/3	APB	Extern	2-7 / 29-101	-1-7 / -14.5-101	Push only	24 V d.c	0.100 / 0.220	VR15S622BV313A
	VR10	5/3	APB	Extern	2-7 / 29-101	-1-7 / -14.5-101	Push only	12V d.c	0.071 / 0.1562	VR10S622BV312A
	VR15	5/3	APB	Extern	2-7 / 29-101	-1-7 / -14.5-101	Push only	12V d.c	0.100 / 0.220	VR15S622BV312A
	VR10	5/3	COE	Internal	2-7 / 29-101	2-7 / 29-101	Push only	24 V d.c	0.071 / 0.1562	VR10S711BV313A
	VR15	5/3	COE	Internal	2-7 / 29-101	2-7 / 29-101	Push only	24 V d.c	0.100 / 0.220	VR15S711BV313A
	VR10	5/3	COE	Internal	2-7 / 29-101	2-7 / 29-101	Push only	12V d.c	0.071 / 0.1562	VR10S711BV312A
	VR15	5/3	COE	Internal	2-7 / 29-101	2-7 / 29-101	Push only	12V d.c	0.100 / 0.220	VR15S711BV312A
	VR10	5/3	COE	Extern	2-7 / 29-101	-1-7 / -14.5-101	Push only	24 V d.c	0.071 / 0.1562	VR10S722BV313A
	VR15	5/3	COE	Extern	2-7 / 29-101	-1-7 / -14.5-101	Push only	24 V d.c	0.100 / 0.220	VR15S722BV313A
	VR10	5/3	COE	Extern	2-7 / 29-101	-1-7 / -14.5-101	Push only	12V d.c	0.071 / 0.1562	VR10S722BV312A
	VR15	5/3	COE	Extern	2-7 / 29-101	-1-7 / -14.5-101	Push only	12V d.c	0.100 / 0.220	VR15S722BV312A
	VR10	5/3	COP	Internal	2-7 / 29-101	2-7 / 29-101	Push only	24 V d.c	0.071 / 0.1562	VR10S811BV313A
	VR15	5/3	COP	Internal	2-7 / 29-101	2-7 / 29-101	Push only	24 V d.c	0.100 / 0.220	VR15S811BV313A
	VR10	5/3	COP	Internal	2-7 / 29-101	2-7 / 29-101	Push only	12V d.c	0.071 / 0.1562	VR10S811BV312A
	VR15	5/3	COP	Internal	2-7 / 29-101	2-7 / 29-101	Push only	12V d.c	0.100 / 0.220	VR15S811BV312A
	VR10	5/3	COP	Extern	2-7 / 29-101	-1-7 / -14.5-101	Push only	24 V d.c	0.071 / 0.1562	VR10S822BV313A
	VR15	5/3	COP	Extern	2-7 / 29-101	-1-7 / -14.5-101	Push only	24 V d.c	0.100 / 0.220	VR15S822BV313A
	VR10	5/3	COP	Extern	2-7 / 29-101	-1-7 / -14.5-101	Push only	12V d.c	0.071 / 0.1562	VR10S822BV312A
	VR15	5/3	COP	Extern	2-7 / 29-101	-1-7 / -14.5-101	Push only	12V d.c	0.100 / 0.220	VR15S822BV312A

*1) 12V d.c. valves only for Multipole / all solenoids are a 0.45W energy saving type

APB= All Ports Blocked
COE= Centre Open Exhaust
COP= Centre Open Port

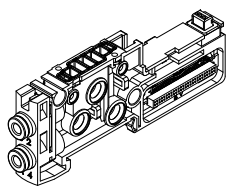
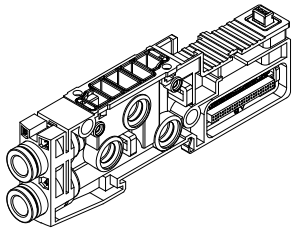
2x 3/2 Double solenoid actuated valves

Symbol	Series	Function	Actuation	Pilot Supply	Pilot Pressure (bar / psi)	Operating Pressure (bar / psi)	Manual Override	Voltage *1)	Weight (kg / lbs)	Model PNP
	VR10	2X3/2	NC/NC	Internal	2-7 / 29-101	2-7 / 29-101	Push only	24 V d.c	0.069 / 0.1518	VR10SA11BV313A
	VR15	2X3/2	NC/NC	Internal	2-7 / 29-101	2-7 / 29-101	Push only	24 V d.c	0.092 / 0.2024	VR15SA11BV313A
	VR10	2X3/2	NC/NC	Internal	2-7 / 29-101	2-7 / 29-101	Push only	12V d.c	0.069 / 0.1518	VR10SA11BV312A
	VR15	2X3/2	NC/NC	Internal	2-7 / 29-101	2-7 / 29-101	Push only	12V d.c	0.092 / 0.2024	VR15SA11BV312A
	VR10	2X3/2	NC/NO	Internal	2-7 / 29-101	2-7 / 29-101	Push only	24 V d.c	0.069 / 0.1518	VR10SC11BV313A
	VR15	2X3/2	NC/NO	Internal	2-7 / 29-101	2-7 / 29-101	Push only	24 V d.c	0.092 / 0.2024	VR15SC11BV313A
	VR10	2X3/2	NC/NO	Internal	2-7 / 29-101	2-7 / 29-101	Push only	12V d.c	0.069 / 0.1518	VR10SC11BV312A
	VR15	2X3/2	NC/NO	Internal	2-7 / 29-101	2-7 / 29-101	Push only	12V d.c	0.092 / 0.2024	VR15SC11BV312A
	VR10	2X3/2	NO/NO	Internal	2-7 / 29-101	2-7 / 29-101	Push only	24 V d.c	0.069 / 0.1518	VR10SB11BV313A
	VR15	2X3/2	NO/NO	Internal	2-7 / 29-101	2-7 / 29-101	Push only	24 V d.c	0.092 / 0.2024	VR15SB11BV313A
	VR10	2X3/2	NO/NO	Internal	2-7 / 29-101	2-7 / 29-101	Push only	12V d.c	0.069 / 0.1518	VR10SB11BV312A
	VR15	2X3/2	NO/NO	Internal	2-7 / 29-101	2-7 / 29-101	Push only	12V d.c	0.092 / 0.2024	VR15SB11BV312A

*1) 12V d.c. valves only for Multipole / all solenoids are a 0.45W energy saving type

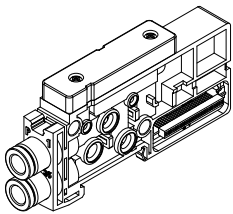
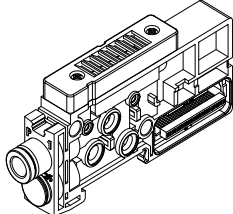
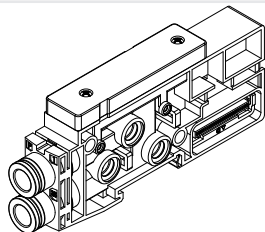
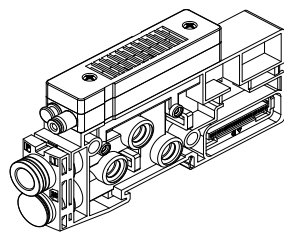
NC= Normally Closed
NO= Normally Open

Sub-bases only

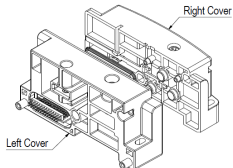
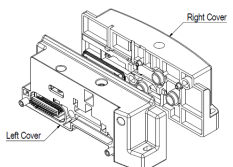
	Series	Port Size	Single / double wiring*	Weight (kg / lbs)	Model
	VR10	Ø4	Single	0.036 / 0.0792	VR107516BM1114
	VR10	Ø4	Double	0.036 / 0.0792	VR107516BM1124
	VR10	Ø6	Single	0.036 / 0.0792	VR107516BM1116
	VR10	Ø6	Double	0.036 / 0.0792	VR107516BM1126
	VR10	Ø5/32"	Single	0.036 / 0.0792	VR107516BM1111
	VR10	Ø5/32"	Double	0.036 / 0.0792	VR107516BM1121
	VR10	Ø1/4"	Single	0.036 / 0.0792	VR107516BM1119
	VR10	Ø1/4"	Double	0.036 / 0.0792	VR107516BM1129
	VR15	Ø4	Single	0.083 / 0.1826	VR157516BM1114
	VR15	Ø4	Double	0.083 / 0.1826	VR157516BM1124
	VR15	Ø6	Single	0.083 / 0.1826	VR157516BM1116
	VR15	Ø6	Double	0.083 / 0.1826	VR157516BM1126
	VR15	Ø8	Single	0.083 / 0.1826	VR157516BM1118
	VR15	Ø8	Double	0.083 / 0.1826	VR157516BM1128
	VR15	Ø5/32"	Single	0.083 / 0.1826	VR157516BM1111
	VR15	Ø5/32"	Double	0.083 / 0.1826	VR157516BM1121
	VR15	Ø1/4"	Single	0.083 / 0.1826	VR157516BM1119
	VR15	Ø1/4"	Double	0.083 / 0.1826	VR157516BM1129
	VR15	Ø5/16"	Single	0.083 / 0.1826	VR157516BM1110
	VR15	Ø5/16"	Double	0.083 / 0.1826	VR157516BM1120

*Sub-bases are available in single and double wired versions. Single wired bases can only be used with single solenoid valves. Double wired bases can be used with both single solenoid and double solenoid valves

Supply/Exhaust modules only

without silencer	with silencer	Series	Port Size	Pilot Supply	With Silencer	Weight (kg / lbs)	Model
		VR10	Ø8	Internal	Yes	0.071 / 0.1562	VR107516BMY108
		VR10	Ø8	External	Yes	0.091 / 0.2002	VR107516BMY208
		VR10	Ø8	Internal	No	0.071 / 0.1562	VR107516BMN108
		VR10	Ø8	External	No	0.091 / 0.2002	VR107516BMN208
		VR10	Ø5/16"	Internal	Yes	0.071 / 0.1562	VR107516BMY100
		VR10	Ø5/16"	External	Yes	0.091 / 0.2002	VR107516BMY200
		VR10	Ø5/16"	Internal	No	0.071 / 0.1562	VR107516BMN100
		VR10	Ø5/16"	External	No	0.091 / 0.2002	VR107516BMN200
		VR15	Ø10	Internal	Yes	0.105 / 0.231	VR157516BMY10Y
		VR15	Ø10	External	Yes	0.125 / 0.275	VR157516BMY20Y
		VR15	Ø10	Internal	No	0.105 / 0.231	VR157516BMN10Y
		VR15	Ø10	External	No	0.125 / 0.275	VR157516BMN20Y
		VR15	Ø3/8"	Internal	Yes	0.105 / 0.231	VR157516BMY101
		VR15	Ø3/8"	External	Yes	0.125 / 0.275	VR157516BMY201
		VR15	Ø3/8"	Internal	No	0.105 / 0.231	VR157516BMN101
		VR15	Ø3/8"	External	No	0.125 / 0.275	VR157516BMN201

End Plate Only (IP65 Versions)

	Series	Cover Location	Weight (kg / lbs)	Model
	VR10	Right	0,06 / 0,132	VR107516BM0901
	VR10	Left	0,078 / 0,1716	VR107516BM0904
	VR15	Right	0,086 / 0,1892	VR157516BM0901
	VR15	Left	0,096 / 0,2112	VR157516BM0904

VR10 & VR15 Control Modules (IP65 Version)

PROFINET IRT



VR1X7516BM02PN

Weight: 0,223 kg

EtherNet/IP



VR1X7516BM02EP

Weight: 0,224 kg

EtherCAT



VR1X7516BM02EC

Weight: 0,221 kg

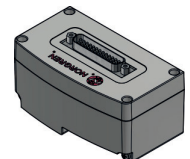
IO-Link



VR1X7516BM02IL

Weight: 0,181 kg

Multipole



VR1X7516BM02M6

Weight: 0,128 kg

Industrial Ethernet - Cable and Connectors

Bus cable: 4-pin D-coded M12 - M12



Model	Cable length (m)
-------	------------------

NC-124MS-1244SGA 0,5

NC-124MS-1244SG2 2,0

NC-124MS-1244SG5 5,0

Bus cable: 4-pin D-coded M12 - flying lead



Model	Cable length (m)
-------	------------------

NC-124MS-00000G2 2,0

NC-124MS-00000G5 5,0

Bus connector RJ45 Wireable



NC-RJ450-0000000

Power cable: 5-pin A-coded M12 - flying lead



Model	Cable length (m)
-------	------------------

NC-125FS-00000-5 5,0

IO-Link - Cables

Cable 5-pin A-code M12 - M12



Model	Cable length (m)
-------	------------------

NC-125FS-125MS-A 0,6

NC-125FS-125MS-1 1,0

NC-125FS-125MS-2 2,0

NC-125FS-125MS-5 5,0

Cable 5-pin A-code M12 - flying lead



Model	Cable length (m)
-------	------------------

NC-125FS-00000-5 5,0

Multipole (IP65) - Cables

D-Sub IP65 Connector Cable

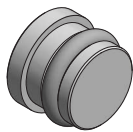


V11569-E##

Insert **01** for 1m,
03 for 3m and
05 for 5m

Accessories

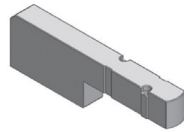
Blank Plug Kit (3pcs)



VR**7516AM0400

** Insert **10** for VR10 or
15 for VR15

Blanking Plate



VR**7516AM0300

** Insert **10** for VR10 or
15 for VR15

DIN Rail



VR**7516AM08##

** Insert **10** for VR10 or
15 for VR15
Insert **06** for 2-6 stations
10 for 7-10 stations
15 for 11-15 stations
20 for 16-20 stations
24 for 21-24 stations

Tie Rod expansion Kit



VR**7516MM07##NA

** Insert **10** for VR10
or **15** for VR15
Insert
MS: ISEM expansion rod
M1: 1 Station modular rod
M2: 2 Stations modular rod

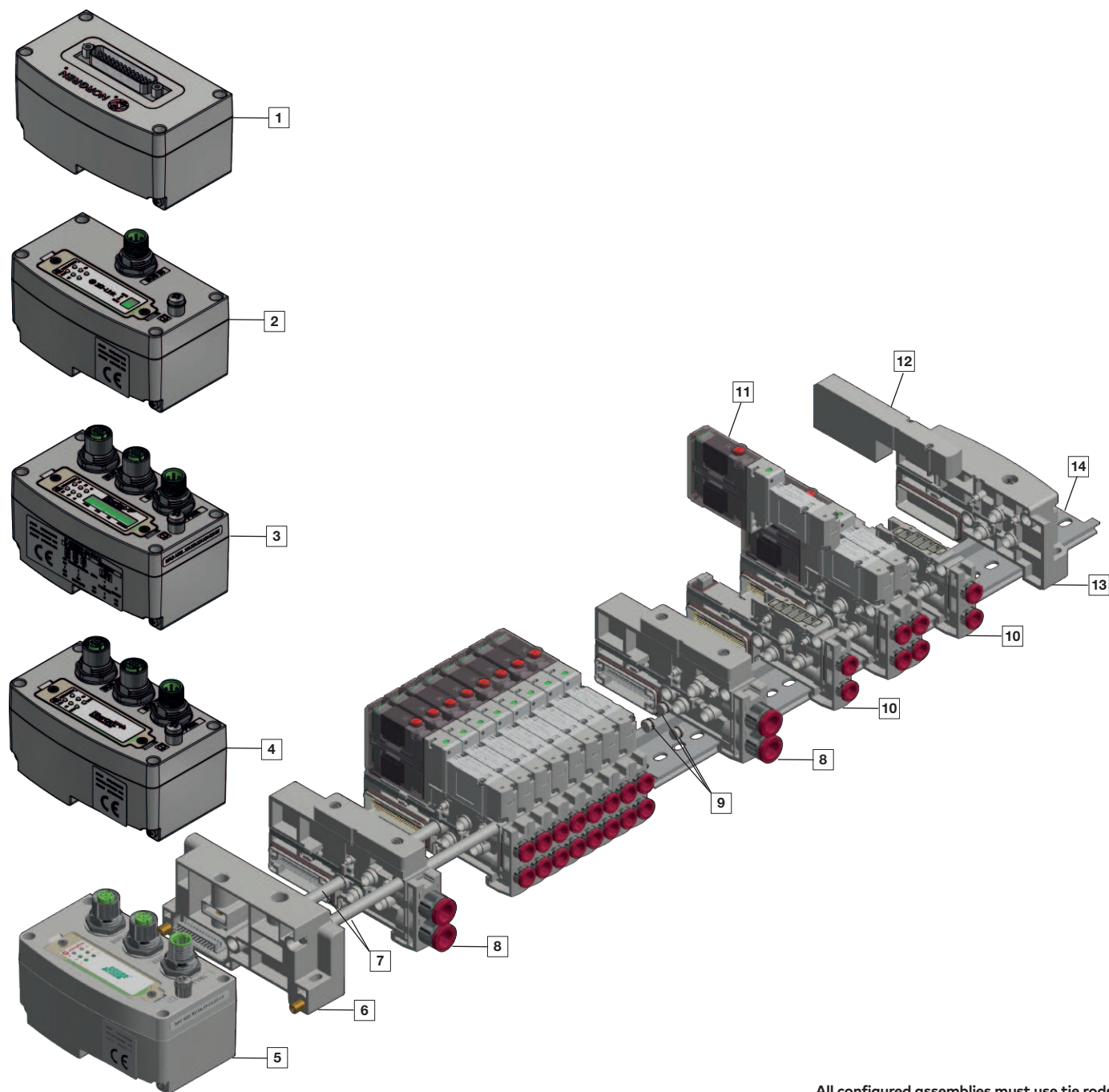
Tie Rod



VR**7516MM07##

** Insert **10** for VR10 or
15 for VR15
Insert **02...24** for
number of stations.
Insert **05...24** for
number of stations.
\$ Insert **E1=1, E2=2, E3=3**
and **E4=4** for number of sup/
exh modules

Exploded view (IP65)



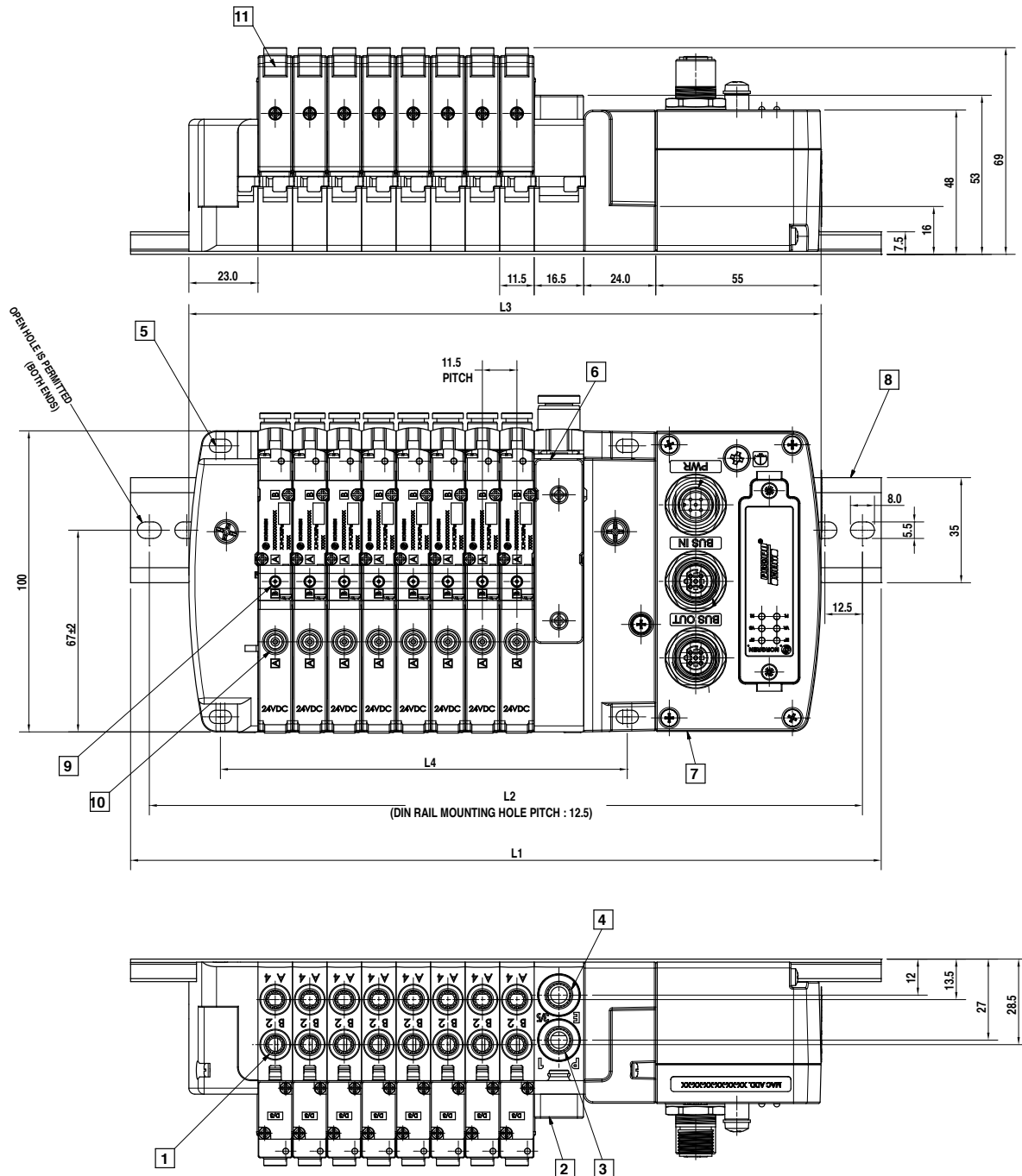
All configured assemblies must use tie rods

- 1** Multipole control module
- 2** IO-Link control module
- 3** EtherNet/IP control module
- 4** EtherCAT control module
- 5** PROFINET control module
- 6** Left Endplate (IP65)
- 7** Tie Rods

- 8** Sup/Exh module
- 9** Blank Plugs
- 10** Sub-Base
- 11** Valve slice
- 12** Blanking Plate
- 13** Right Endplate (IP65)
- 14** DIN Rail

VR10 Series (Valve Island) Internal Pilot without Silencer (IP65 Version)

Dimensions in mm
Projection/First angle



- 1 Outlet Port: PIF for tube O.D 4, O.D 6, O.D 5/32", O.D 1/4"
- 2 Sup/Exh module
- 3 Supply Port: PIF for tube O.D 8, O.D 5/16"
- 4 Exhaust Port: PIF for tube O.D 8, O.D 5/16"
- 5 Mounting 4x M4
- 6 Exhaust Port: Blank Plate

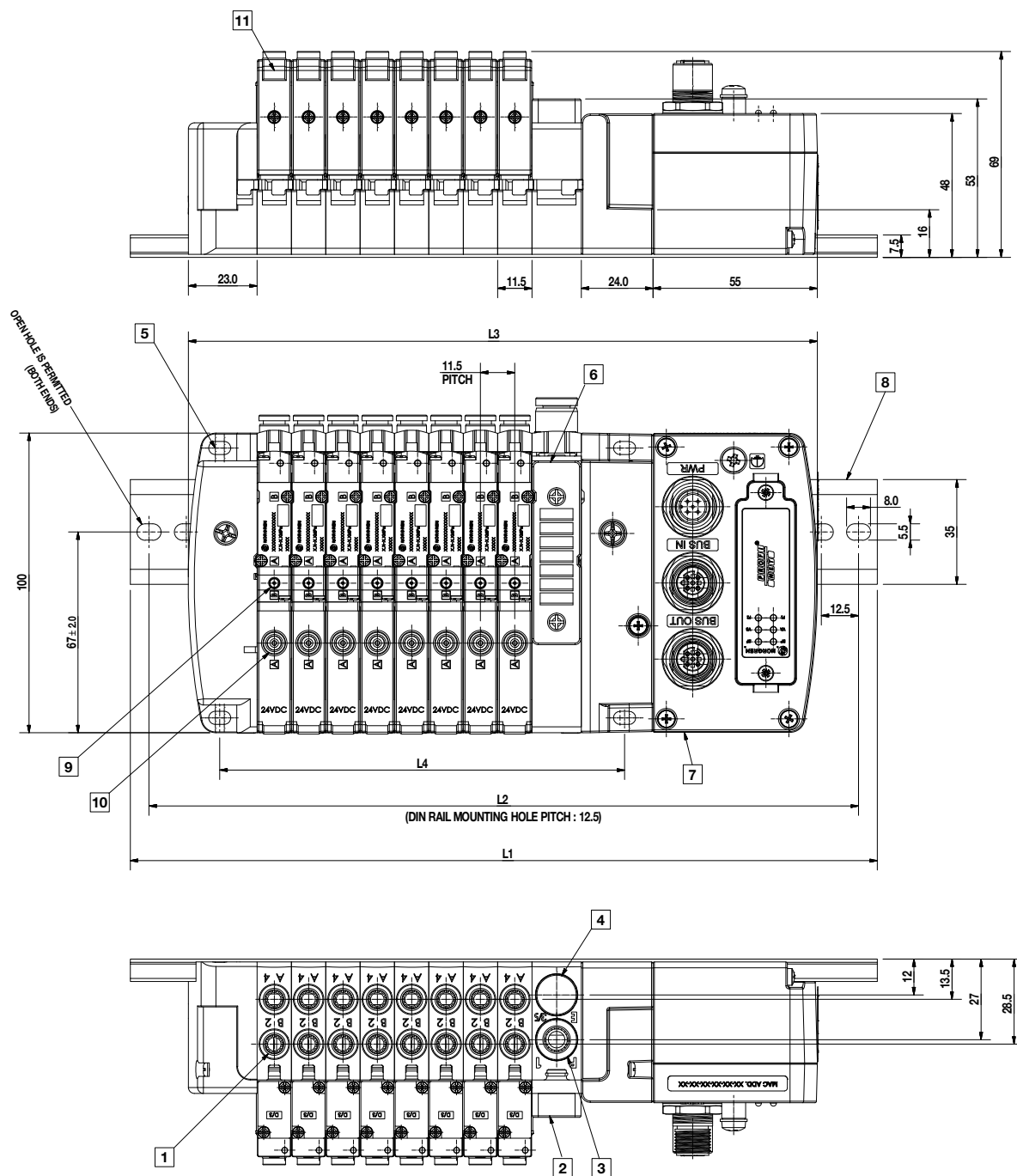
- 7 Control module
- 8 DIN Rail
- 9 Manual override (Port 2)
- 10 Manual override (Port 4)
- 11 LED

N:	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Stations																							
L1(mm)				200					250				300				387,5				437,5		
L2(mm)			187,5					237,5					287,5				375				425		
L3(mm)	141,5	153,0	164,5	176,0	187,5	199,0	210,5	222,0	233,5	245,0	256,5	268,0	279,5	291,0	302,5	314,0	325,5	337,0	348,5	360,0	371,5	383,0	394,5
L4(mm)	66,5	78,0	89,5	101,0	112,5	124,0	135,5	147,0	158,5	170,0	181,5	193,0	204,5	216,0	227,5	239,0	250,5	262,0	273,5	285,0	296,5	308,0	319,5

*2-10 stations: one Sup/Exh Module is required. 11-24 stations: two Sup/Exh Modules are recommended.

VR10 Series (Valve Island) Internal Pilot with Silencer (IP65 Versions)

Dimensions in mm
Projection/First angle



1 Outlet Port: PIF for tube O.D 4, O.D 6, O.D 5/32", O.D 1/4"

2 Sup/exh module

3 Supply Port: PIF for tube O.D 8, O.D 5/16"

4 Plug

5 Mounting 4x M4

6 Exhaust Port: Silencer Plate

7 Control module

8 DIN Rail

9 Manual override (Port 2)

10 Manual override (Port 4)

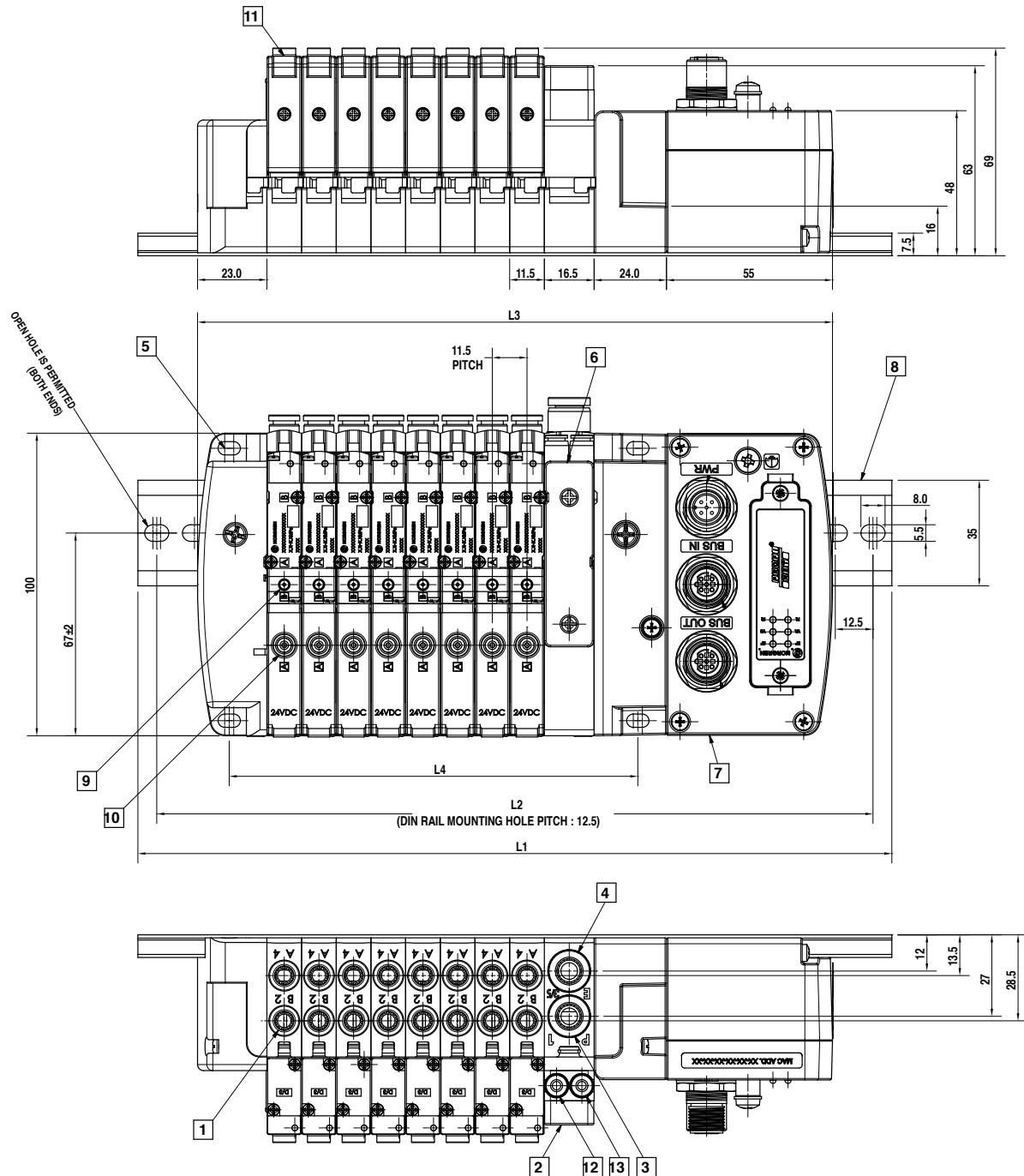
11 LED

N: Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1(mm)				200					250				300				387,5				437,5		
L2(mm)				187,5					237,5				287,5				375				425		
L3(mm)	141,5	153,0	164,5	176,0	187,5	199,0	210,5	222,0	233,5	245,0	256,5	268,0	279,5	291,0	302,5	314,0	325,5	337,0	348,5	360,0	371,5	383,0	394,5
L4(mm)	66,5	78,0	89,5	101,0	112,5	124,0	135,5	147,0	158,5	170,0	181,5	193,0	204,5	216,0	227,5	239,0	250,5	262,0	273,5	285,0	296,5	308,0	319,5

*2-10 stations: one Sup/Exh Module is required. 11-24 stations: two Sup/Exh Modules are recommended.

VR10 Series (Valve Island) External Pilot without Silencer (IP65 Versions)

Dimensions in mm
Projection/First angle



- 1 Outlet Port: PIF for tube O.D 4, O.D 6, O.D 5/32", O.D 1/4"
- 2 Sup/exh module
- 3 Supply Port: PIF for tube O.D 8, O.D 5/16"
- 4 Exhaust Port: PIF for tube O.D 8, O.D 5/16"
- 5 Mounting 4x M4
- 6 Exhaust Port: Blank Plate
- 7 Control module

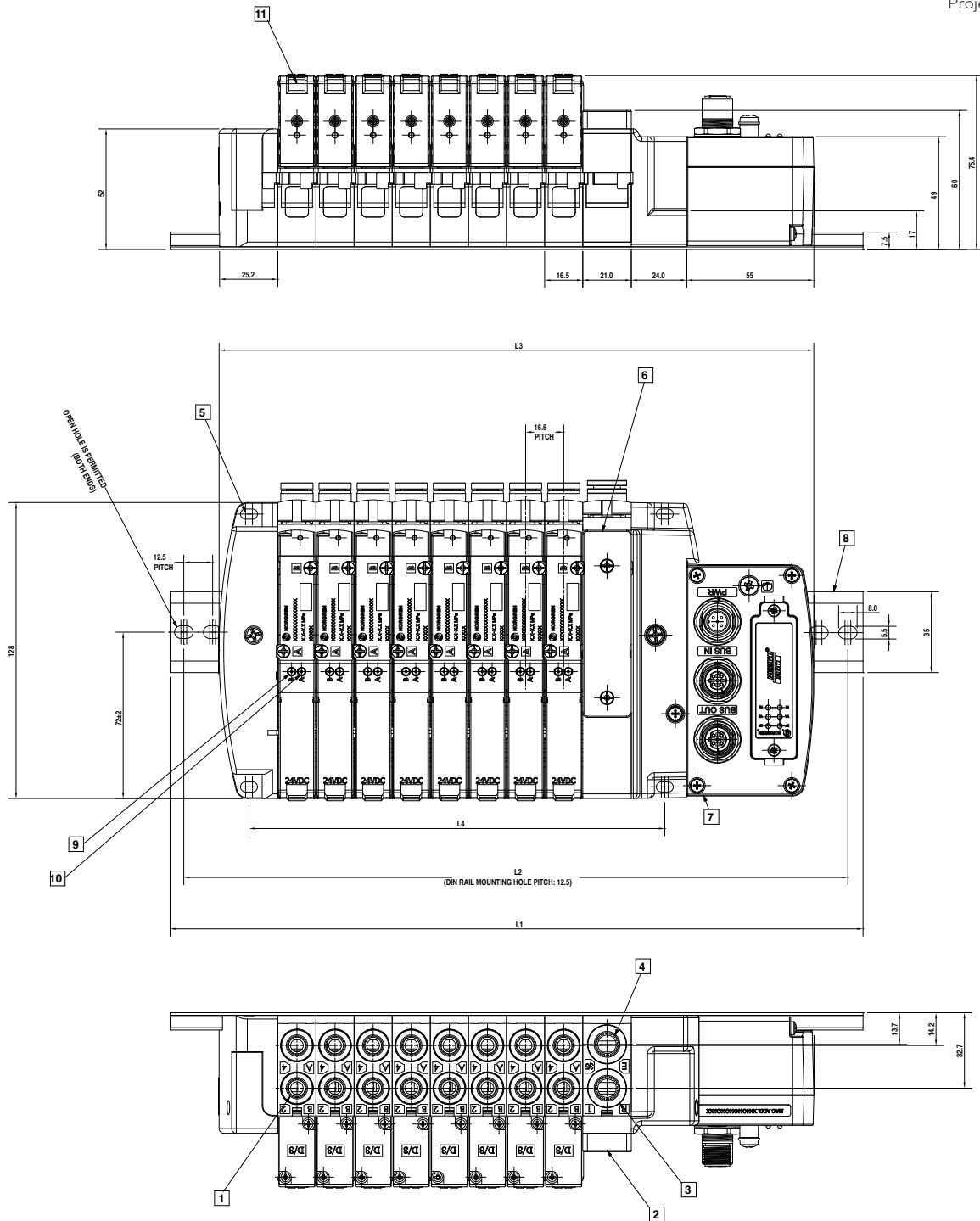
- 8 DIN Rail
- 9 Manual override (Port 2)
- 10 Manual override (Port 4)
- 11 LED
- 12 Supply Port of external pilot: PIF for tube O.D. 4, O.D. 5/32"
- 13 Exhaust Port of external pilot: PIF for tube O.D. 4, O.D. 5/32"

N: Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1 (mm)	200				250				300				387,5				437,5						
L2 (mm)	187,5				237,5				287,5				375				425						
L3 (mm)	141,5	153,0	164,5	176,0	187,5	199,0	210,5	222,0	233,5	245,0	256,5	268,0	279,5	291,0	302,5	314,0	325,5	337,0	348,5	360,0	371,5	383,0	394,5
L4 (mm)	66,5	78,0	89,5	101,0	112,5	124,0	135,5	147,0	158,5	170,0	181,5	193,0	204,5	216,0	227,5	239,0	250,5	262,0	273,5	285,0	296,5	308,0	319,5

*2-10 stations: one Sup/Exh Module is required. 11-24 stations: two Sup/Exh Modules are recommended.

VR15 Series (Valve Island) Internal Pilot without Silencer (IP65 Version)

Dimensions in mm
Projection/First angle



- 1 Outlet Port: PIF for tube O.D 4, O.D 6, O.D 8 O.D 5/32", O.D 1/4"
- 2 Sup/Exh module
- 3 Supply Port: PIF for tube O.D 10, O.D 3/8"
- 4 Exhaust Port: PIF for tube O.D 10, O.D 3/8"
- 5 Mounting 4x M4
- 6 Exhaust Port: Blank Plate

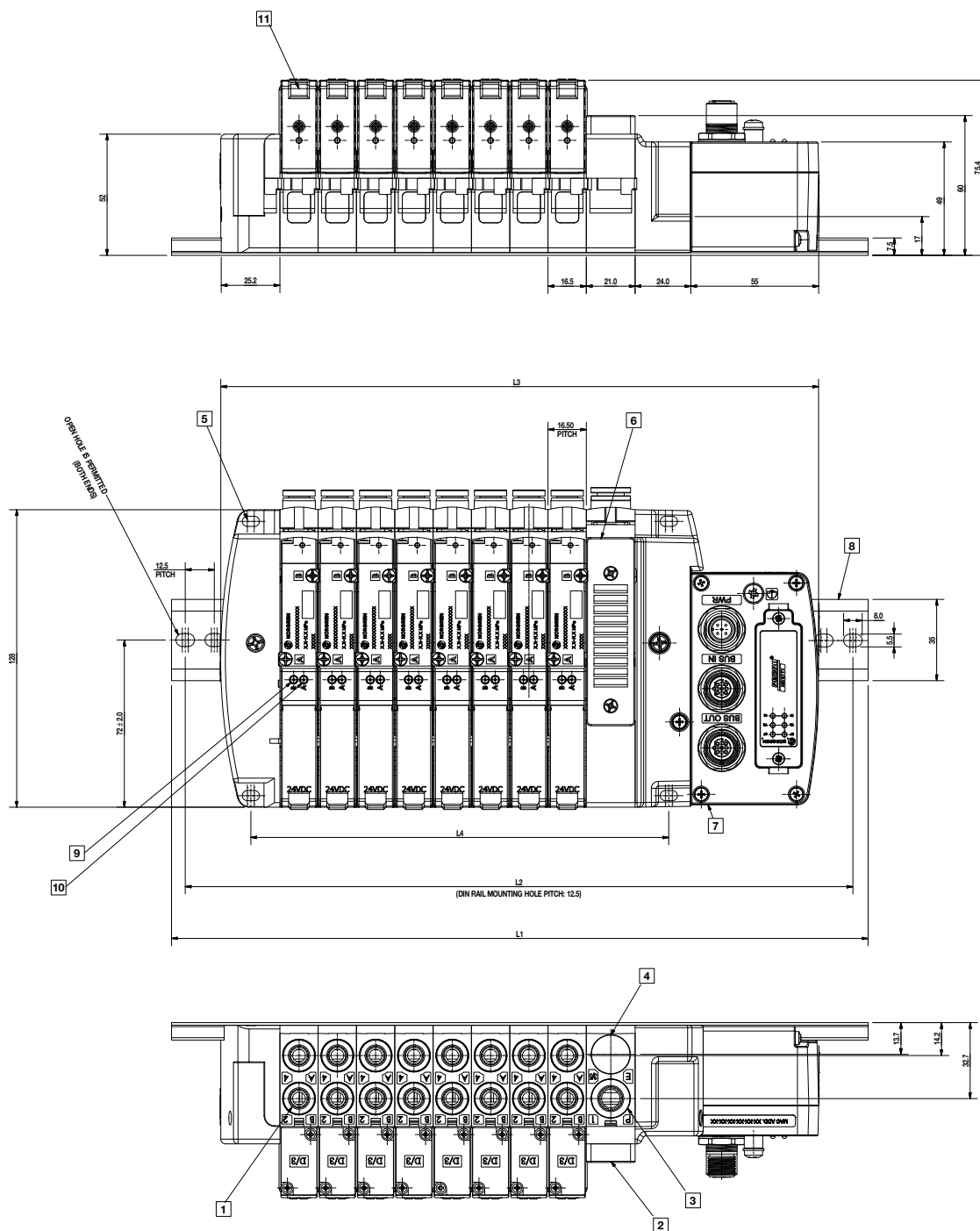
- 7 Control module
- 8 DIN Rail
- 9 Manual override (Port 2)
- 10 Manual override (Port 4)
- 11 LED

N:	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Stations	250					300					400					500					587		
L1(mm)	250					300					400					500					587		
L2(mm)	237,5					287,5					387,5					487,5					574,5		
L3(mm)	158,2	174,7	191,2	207,7	224,2	240,7	257,2	273,7	290,2	306,7	323,2	339,7	356,2	372,7	389,2	405,7	422,2	438,7	455,2	471,7	488,2	504,7	521,2
L4(mm)	81,0	97,5	114,0	130,5	147,0	163,5	180,0	196,5	213,0	229,5	246,0	262,5	279,0	295,5	312,0	328,5	345,0	361,5	378,0	394,5	411,0	427,5	444,0

*2-10 stations: one Sup/Exh Module is required. 11-24 stations: two Sup/Exh Modules are recommended.

VR15 Series (Valve Island) Internal Pilot with Silencer (IP65 Version)

Dimensions in mm
Projection/First angle



- 1** Outlet Port: PIF for tube O.D 4, O.D 6, 8 O.D, O.D 5/32", O.D 1/4"
- 2** Sup/exh module
- 3** Supply Port: PIF for tube O.D 10, O.D 3/8"
- 4** Plug of exhaust
- 5** Mounting 4x M4
- 6** Exhaust Port: Silencer Plate

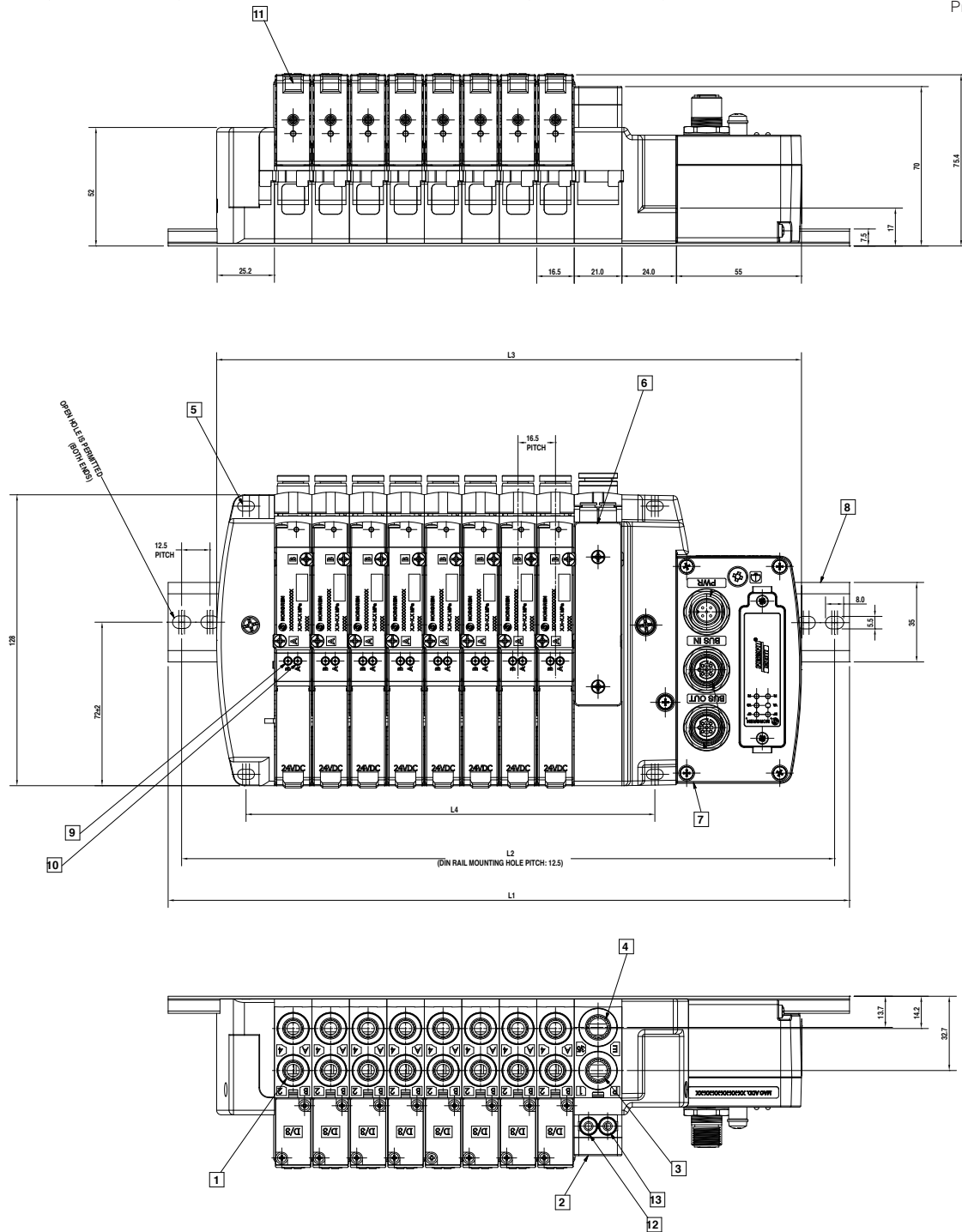
- 7** Control module
- 8** DIN Rail
- 9** Manual override (Port 2)
- 10** Manual override (Port 4)
- 11** LED

N:	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Stations																							
L1 (mm)				250					300				400					500				587	
L2 (mm)				237,5					287,5				387,5					487,5				574,5	
L3 (mm)	158,2	174,7	191,2	207,7	224,2	240,7	257,2	273,7	290,2	307,7	324,2	340,7	357,2	373,7	390,2	406,7	423,2	439,7	456,2	472,7	489,2	505,7	522,2
L4 (mm)	81,0	97,5	114,0	130,5	147,0	163,5	180,0	196,5	213,0	229,5	246,0	262,5	279,0	295,5	312,0	328,5	345,0	361,5	378,0	394,5	411,0	427,5	444,0

*2-10 stations: one Sup/Exh Module is required. 11-24 stations: two Sup/Exh Modules are recommended.

VR15 Series (Valve Island) External Pilot without Silencer (IP65 Version)

Dimensions in mm
Projection/First angle



1 Outlet Port: PIF for tube O.D 4, O.D 6, O.D 8 O.D 5/32", O.D 1/4"

2 Sup/Exh module

3 Supply Port: PIF for tube O.D 10, O.D 3/8"

4 Exhaust Port: PIF for tube O.D 10, O.D 3/8"

5 Mounting 4x M4

6 Exhaust Port: Blank Plate

7 Control module

8 DIN Rail

9 Manual override (Port 2)

10 Manual override (Port 4)

11 LED

12 Supply Port of external pilot: PIF for tube O.D. 4, O.D. 5/32"

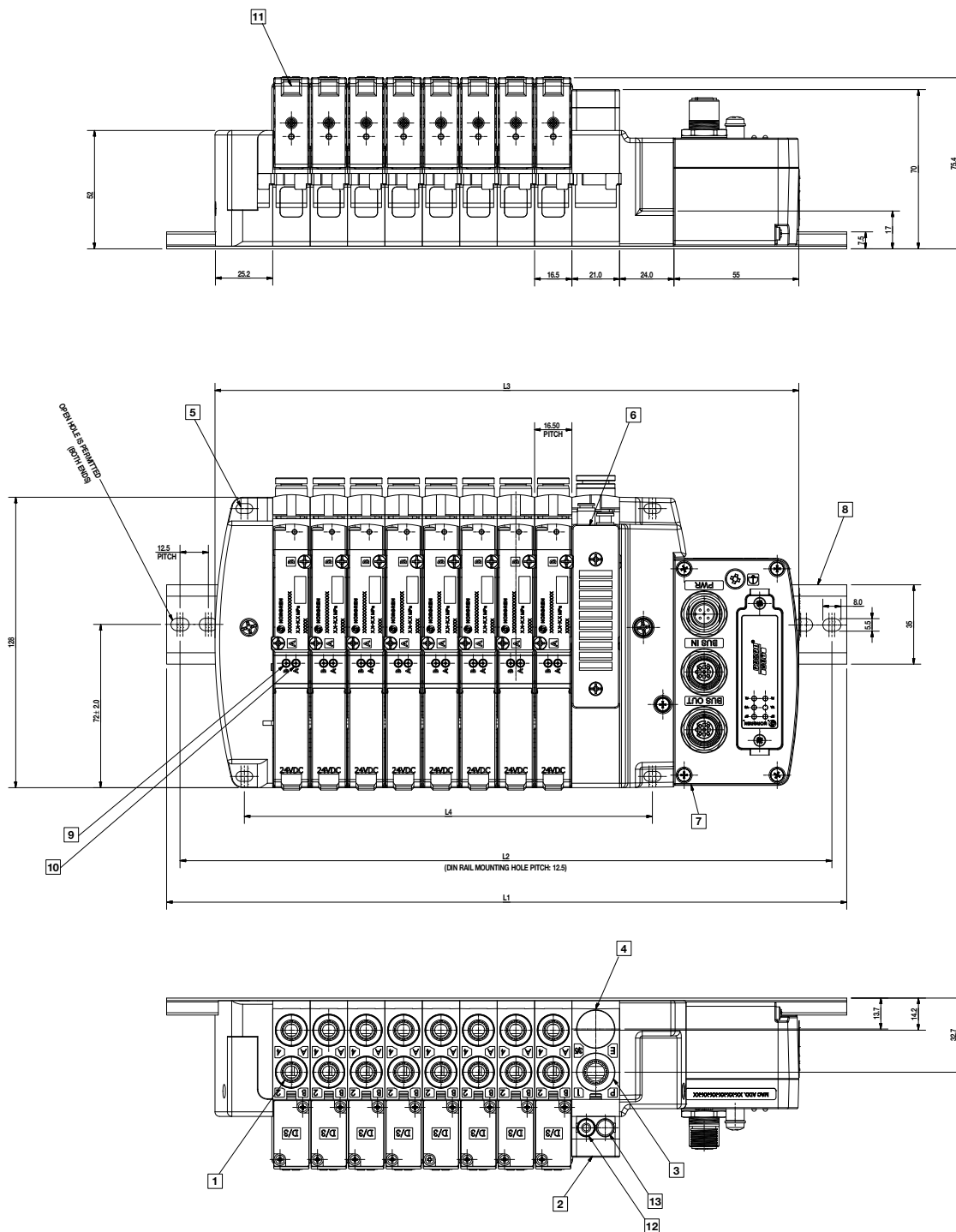
13 Exhaust Port of external pilot: PIF for tube O.D. 4, O.D. 5/32"

N: Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
L1 (mm)	250					300					400					500					587				
L2 (mm)	237,5					287,5					387,5					487,5					574,5				
L3 (mm)	158,2	174,7	191,2	207,7	224,2	240,7	257,2	273,7	290,2	327,7	344,2	360,7	377,2	393,7	410,2	426,7	443,2	459,7	476,2	492,7	509,2	525,7	542,2		
L4 (mm)	81,0	97,5	114,0	130,5	147,0	163,5	180,0	196,5	213,0	250,5	267,0	283,5	300,0	316,5	333,0	349,5	366,0	382,5	399,0	415,5	432,0	448,5	465,0		

*2-10 stations: one Sup/Exh Module is required. 11-24 stations: two Sup/Exh Modules are recommended.

VR15 Series (Valve Island) External Pilot with Silencer (IP65 Version)

Dimensions in mm
Projection/First angle



1 Outlet Port: PIF for tube O.D 4, O.D 6, 8 O.D, O.D 5/32", O.D 1/4"

2 Sup/exh module

3 Supply Port: PIF for tube O.D 10, O.D 3/8"

4 Plug

5 Mounting 4x M4

6 Exhaust Port: Silencer Plate

7 Control module

8 DIN Rail

9 Manual override (Port 2)

10 Manual override (Port 4)

11 LED

12 Supply Port of external pilot: PIF for tube O.D. 4, O.D. 5/32"

13 Plug

N:	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Stations																							
L1 (mm)	250				300				400				500				587						
L2 (mm)	237,5				287,5				387,5				487,5				574,5						
L3 (mm)	158,2	174,7	191,2	207,7	224,2	240,7	257,2	273,7	290,2	327,7	344,2	360,7	377,2	393,7	410,2	426,7	443,2	459,7	476,2	492,7	509,2	525,7	542,2
L4 (mm)	81,0	97,5	114,0	130,5	147,0	163,5	180,0	196,5	213,0	250,5	267,0	283,5	300,0	316,5	333,0	349,5	366,0	382,5	399,0	415,5	432,0	448,5	465,0

*2-10 stations: one Sup/Exh Module is required. 11-24 stations: two Sup/Exh Modules are recommended.

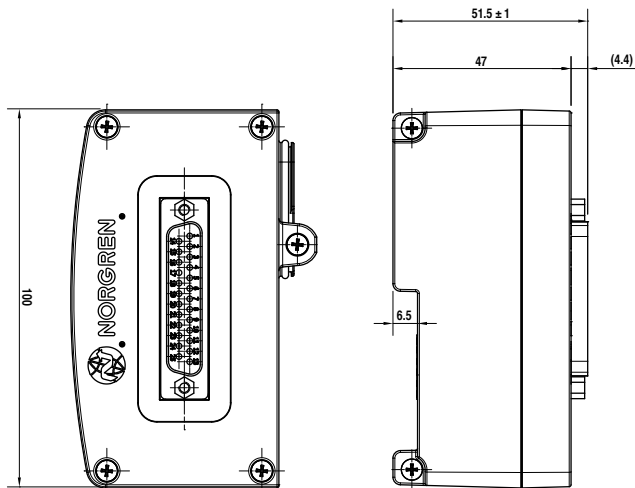
VR10 and VR15 Control Modules (IP65 Version)

Dimensions in mm
Projection/First angle



Multipole:

Connector: 1 x D-Sub 25-pin



D-Sub connector wiring

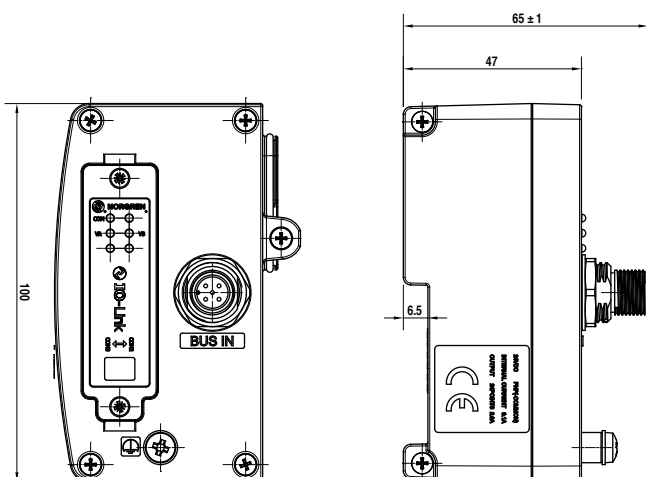
Pin no.	Wire colour	Solenoid	Pilot	Station
1	White	Solenoid 1-a	14	1
2	Brown	Solenoid 2-a	14	2
3	Green	Solenoid 3-a	14	3
4	Yellow	Solenoid 4-a	14	4
5	Grey	Solenoid 5-a	14	5
6	Pink	Solenoid 6-a	14	6
7	Blue	Solenoid 7-a	14	7
8	Red	Solenoid 8-a	14	8
9	Black	Solenoid 9-a	14	9
10	Violet	Solenoid 10-a	14	10
11	Grey/Pink	Solenoid 11-a	14	11
12	Red/Blue	Solenoid 12-a	14	12
13	White/Green	Common	--	--
14	Brown/Green	Solenoid 1-b	12	1
15	White/Yellow	Solenoid 2-b	12	2
16	Yellow/Brown	Solenoid 3-b	12	3
17	White/Grey	Solenoid 4-b	12	4
18	Grey/Brown	Solenoid 5-b	12	5
19	White/Pink	Solenoid 6-b	12	6
20	Pink/Brown	Solenoid 7-b	12	7
21	White/Blue	Solenoid 8-b	12	8
22	Brown/Blue	Solenoid 9-b	12	9
23	White/Red	Solenoid 10-b	12	10
24	Brown/Red	Solenoid 11-b	12	11
25	White/Black	Solenoid 12-b	12	12

* This table is only applicable to the D-Sub cables that NORGREN supplies, IP65 version. Cable part numbers V11569-E01, V11569-E03 and V11569-E05.

* The table indicates corresponding relation between pins, solenoids, pilots and stations based on configuration (12 stations, double solenoids) shown in table.

Valve islands exceeding 12 stations please refer to the Installation & Maintenance for Pin-Out

IO-Link (Port Class B):
Connector: 1 x M12 5-pin



Connector: M12 5-pin A-coded

Male	Pin no.	Function	Tolerance	Max. current
	1	L+ (VB+) 24V electronics power supply	+/- 10%	max. 100 mA
	2	2L+ (VA+) 24V valves power supply	+10%/-5%	n x 40 mA
	3	L- (VB-) 0V electronics power supply		
	4	C/Q IO-Link communication		
	5	2M (VA-) 0V valves power supply		

n = number of energized solenoids

VR10 and VR15 Control Modules (IP65 Version)

Industrial Ethernet protocol: PROFINET IRT
Connector: 2 x M12 4-pin / 1 x M12 5-pin



Bus connector: M12 4-pin D-coded

Dimensions in mm
Projection/First angle



Female	Pin no.	Function
	1	Transmission data + (TD +)
	2	Receive data + (RD+)
	3	Transmission data - (TD-)
	4	Receive data - (RD-)

Power connector: M12 5-pin A-coded

Male	Pin no.	Function	Tolerance	Max. current
	1	L1 (VB+) 24 V electronics power supply	+/- 10%	max. 100 mA
	2	N2 (VA-) 0V valves power supply	-	-
	3	N1 (VB-) 0V electronics power supply	-	-
	4	L2 (VA+) 24 V valves power supply	10% +10%/-5%	n x 40 mA
	5	FE (functional earth)		

(n = number of switched valves)

Industrial Ethernet protocol: EtherNet/IP
Connector: 2 x M12 4-pin / 1 x M12 5-pin



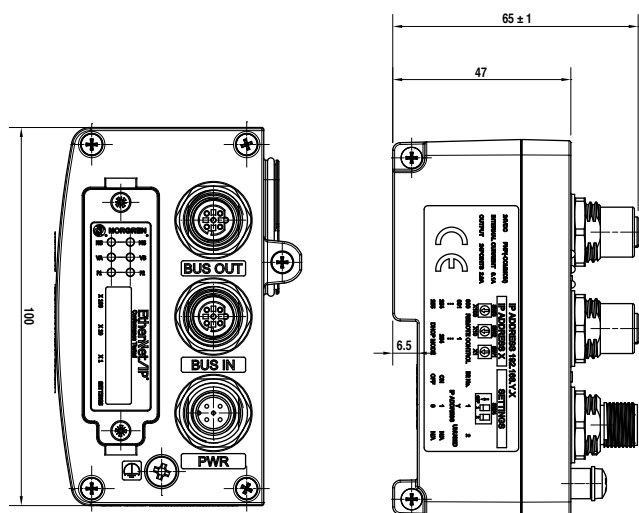
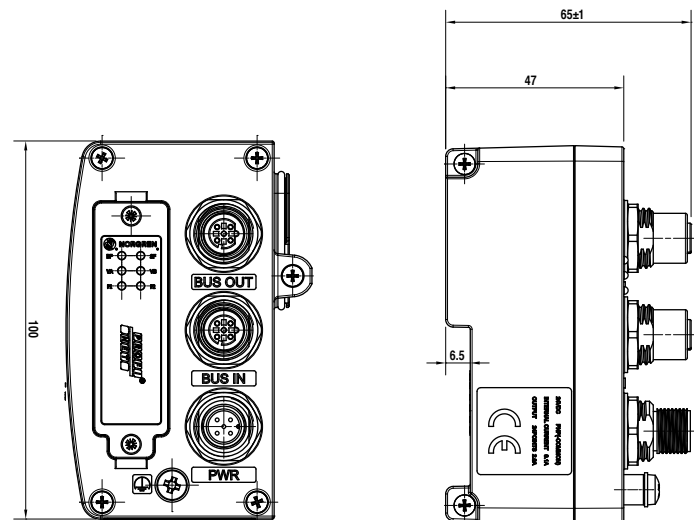
Bus connector: M12 4-pin D-coded

Female	Pin no.	Function
	1	Transmission data + (TD +)
	2	Receive data + (RD+)
	3	Transmission data - (TD-)
	4	Receive data - (RD-)

Power connector: M12 5-pin A-coded

Male	Pin no.	Function	Tolerance	Max. current
	1	L1 (VB+) 24 V electronics power supply	+/- 10%	max. 100 mA
	2	N2 (VA-) 0V valves power supply	-	-
	3	N1 (VB-) 0V electronics power supply	-	-
	4	L2 (VA+) 24 V valves power supply	10% +10%/-5%	n x 40 mA
	5	FE (functional earth)		

(n = number of switched valves)



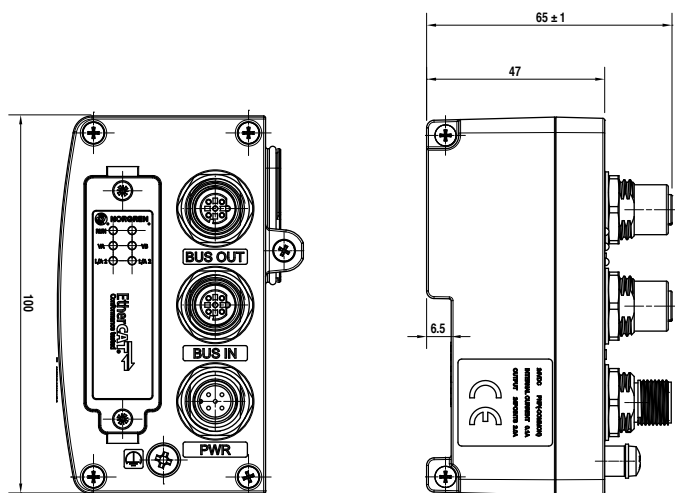
VR10 and VR15 Control Modules (IP65 Version)

Industrial Ethernet protocol: EtherCAT
Connector: 2 x M12 4-pin / 1 x M12 5-pin

EtherCAT

Bus connector: M12 4-pin D-coded

Dimensions in mm
Projection/First angle



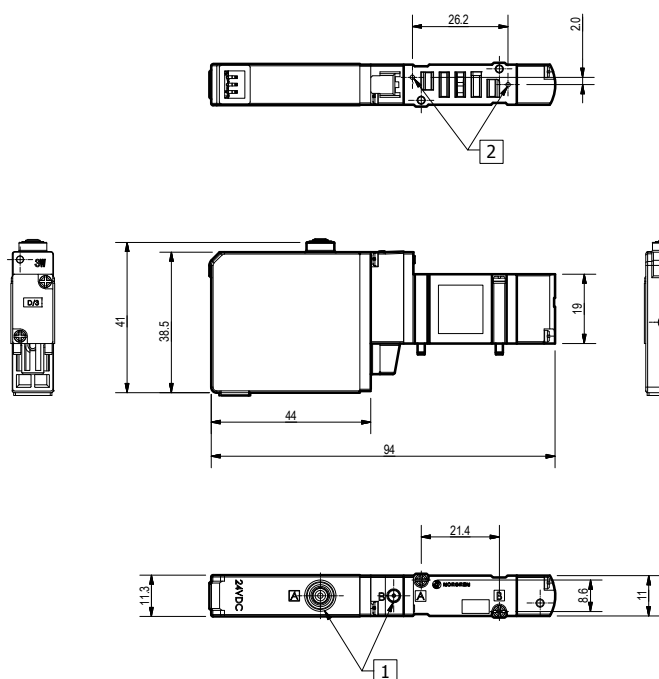
Female	Pin no.	Function
	1	Transmission data + (TD +)
	2	Receive data + (RD+)
	3	Transmission data - (TD-)
	4	Receive data - (RD-)

Power connector: M12 5-pin A-coded

Male	Pin no.	Function	Tolerance	Max. current
	1	L1 (VB+) 24 V electronics power supply	+/- 10%	max. 100 mA
	2	N2 (VA-) 0V valves power supply	—	—
	3	N1 (VB-) 0V electronics power supply	—	—
	4	L2 (VA+) 24 V valves power supply	10% +10%/-5%	n x 40 mA
	5	FE (functional earth)		

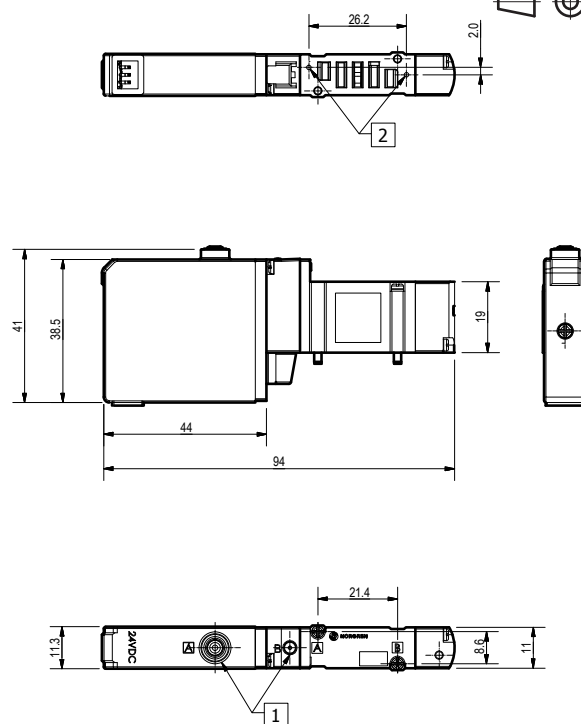
(n = number of switched valves)

VR10 Series (Valve) 2x3/2

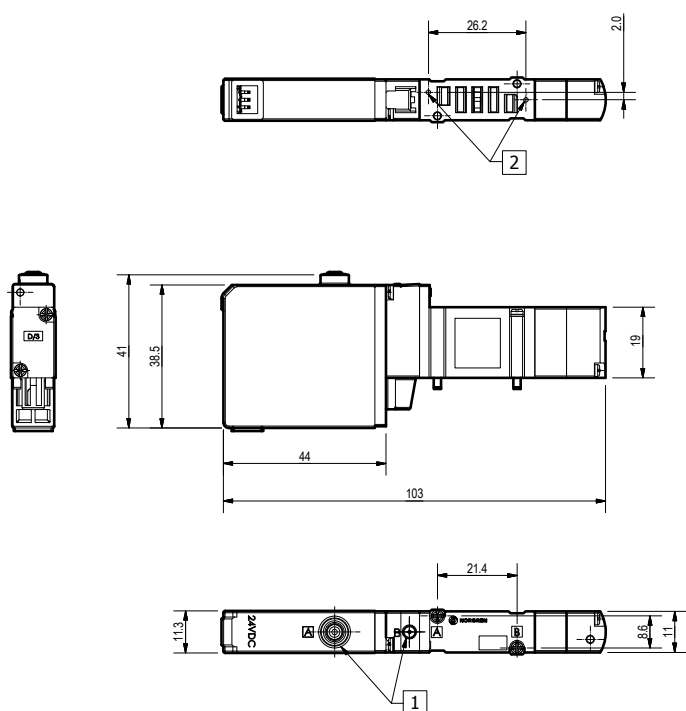


VR10 Series (Valve) 5/2

Dimensions in mm
Projection/First angle



VR10 Series (Valve) 5/3

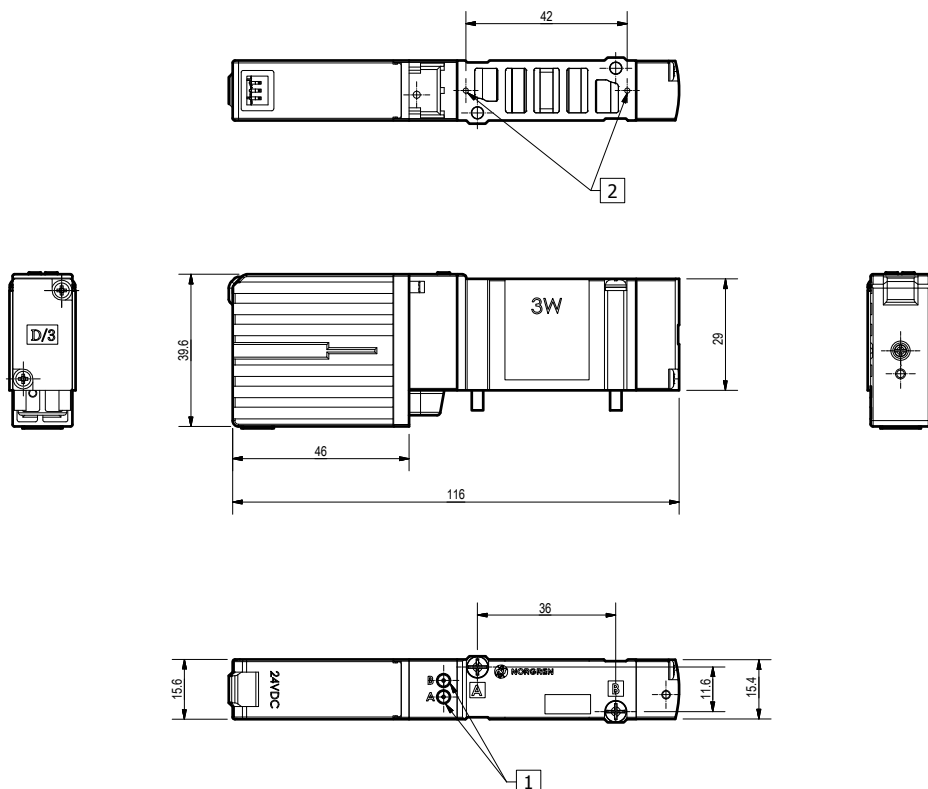


1 Manual override

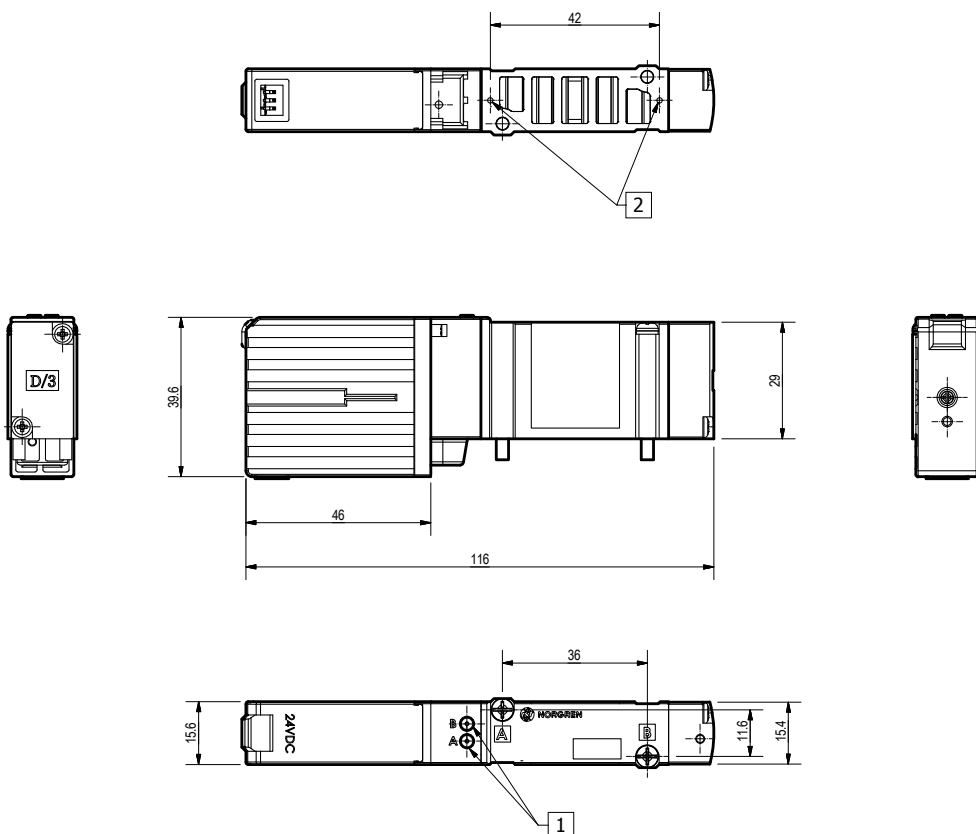
2 Pilot supply holes

VR15 Series (Valve) 2x3/2

Dimensions in mm
Projection/First angle



VR15 Series (Valve) 5/2

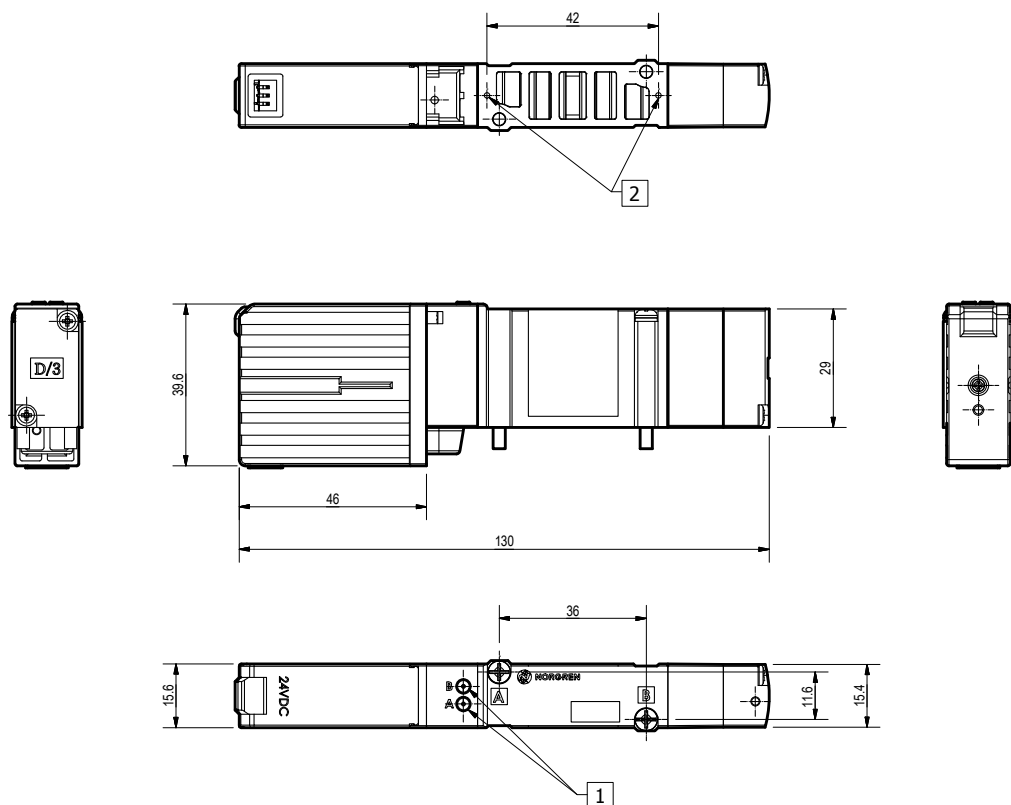


1 Manual override

2 Pilot supply holes

VR15 Series (Valve) 5/3

Dimensions in mm
Projection/First angle



1 Manual override

2 Pilot supply holes

Option selector - valve slices

Series	Substitute
VR10	10
VR15	15
Spool Type	Substitute
Softseal Dynamic	S
Function	Substitute
5/2	5
5/3 APB	6
5/3 COE	7
5/3 COP	8
2x3/2 NC/NC*	A
2x3/2 NO/NO*	B
2x3/2 NC/NO*	C
Operator 14	Substitute
Solenoid Internal Pilot	1
Solenoid External Pilot	2

* Internal Pilot Only

VR★★S★★BV3★3A

Connection	Substitute
Plug-in	A
Voltage	Substitute
12 V d.c. *1)	2
24 V d.c.	3
Electrical	Substitute
Common Positive (NPN) *1)	5
Common Negative (PNP)	1
Override	Substitute
Push only	3
Type	Substitute
Valve	V
Operator 12	Substitute
Solenoid Internal Pilot	1
Solenoid External Pilot	2
Air Spring Return	3

*1) only for Multipole

Option selector - blank plate

Series	Substitute
VR10	10
VR15	15
Type	Substitute
Component	7516
Standard	A

VR★★7516 A M 0300

Option	Substitute
Blank Plate	0300
Type	Substitute
Manifold	M

Option selector - Sub-base

Series	Substitute
VR10	10
VR15	15
Type	Substitute
Component	7516
Type	Substitute
Manifold	M
Option	Substitute
Sub-base	11
Base Style	Substitute
Single Wiring	1
Double Wiring	2

VR★★7516 B M 11 ★ ★

Fitting Size	Substitute
4mm PIF VR10	4
6mm PIF VR10	6
5/32" PIF VR10	1
1/4" PIF VR10	9
4mm PIF VR15	4
6mm PIF VR15	6
8mm PIF VR15	8
5/32" PIF VR15	1
1/4" PIF VR15	9
5/16" PIF VR15	0

Option selector - End Plate IP65

Series	Substitute
VR10	10
VR15	15
Type	Substitute
Component	7516
IP Rating	Substitute
IP65	B

VR★★7516 B M ★ ★ ★ ★

Base Style	Substitute
End Plate (Right Side)	01
End Plate (Left Side)	04
Option	Substitute
End Plate	09
Type	Substitute
Manifold	M

Warning: For IP65 with silencers option, silencers are not recommended in wash down or very dusty applications.

Option selector - Supply/ Exhaust Module

Series	Substitute
VR10	10
VR15	15
Type	Substitute
Component	7516
Type	Substitute
Manifold	M

VR★★7516 B M ★ ★ O ★

Fitting Size	Substitute
8mm PIF	VR10 8
5/16" PIF	VR10 0
10mm PIF	VR15 Y
3/8" PIF	VR15 1
Base Style	Substitute
Internal Pilot Base	1
External Pilot Base	2
Silencer Incorporated	Substitute
No	N
Yes	Y

Option selector - Tie Rod

Series	Substitute
VR10	10
VR15	15
Type	Substitute
Component	7516
Option	Substitute
Modular	M
Type	Substitute
Manifold	M
Component Type	Substitute
Tie-rod Assembly	07

VR★★7516 M M 07 ★ ★ ★ ★

Number of Supply/ Exhaust Modules Used	Substitute
1 Supply/Exhaust Module	E1
2 Supply/Exhaust Module	E2
3 Supply/Exhaust Module	E3
4 Supply/Exhaust Module	E4
Number of Stations	Substitute
2 stations	02
3 stations	03
4 stations	04
5 stations	05
6 stations	06
7 stations	07
8 stations	08
9 stations	09
10 stations	10
11 stations	11
12 stations	12
13 stations	13
14 stations	14
15 stations	15
16 stations	16
17 stations	17
18 stations	18
19 stations	19
20 stations	20
21 stations	21
22 stations	22
23 stations	23
24 stations	24

Option Selector - DIN Rail

Series	Substitute
VR10	10
VR15	15
Type	Substitute
Component	7516
Option	Substitute
Standard	A
Type	Substitute
Manifold	M
Component Type	Substitute
DIN Rail	08

VR **7516 A M 08 **

Length	Substitute
06 = 2-6 stations	06
10 = 7-10 stations	10
15 = 11-15 stations	15
20 = 16-20 stations	20
24 = 21-24 stations	24

Option selector - Control Modules IP65

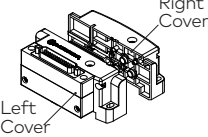
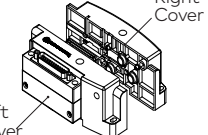
Type	Substitute
Component	7516
IP Rating	Substitute
IP65	B
Type	Substitute
Manifold	M

VR1X7516 B M 02 **

Control	Substitute
EtherCAT *1)	EC
EtherNet/IP *1)	EP
IO-Link *1)	IL
PROFINET *1)	PN
Multipole D-Sub	M6
Option	Substitute
Module	02

*1) only for use with PNP valves

IP40 Options End Plate Only (for IP40 Multipole Versions)

	Series	Connector Type	Connector	Cover Location	Orientation	Weight (kg)	Model
	VR10	--	None	Right	--	0,060	VR107516BM0901
	VR10	D-Sub Connector 25-Pin	D-Sub	Left	Horizontal	0,105	VR107516AM0902
	VR10	D-Sub Connector 25-Pin	D-Sub	Left	Vertical	0,105	VR107516AM0903
	VR15	--	None	Right	--	0,086	VR157516BM0901
	VR15	D-Sub Connector 25-Pin	D-Sub	Left	Horizontal	0,131	VR157516AM0902
	VR15	D-Sub Connector 25-Pin	D-Sub	Left	Vertical	0,131	VR157516AM0903

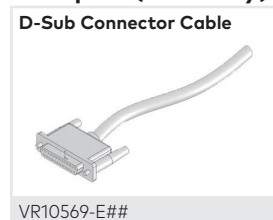
Option selector - End Plate IP40 Multipole

Series	Substitute
VR10	10
VR15	15
Type	Substitute
Component	7516
IP Rating	Substitute
IP40	A

VR★ ★ 7516 A M ★ ★ ★ ★

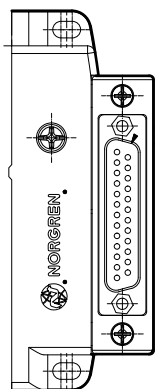
Base Style	Substitute
End Plate (Right Side)	01
Multipole Horizontal D-Sub Connector (Left Side)	02
Multipole Vertical D-Sub Connector (Left Side)	03
Option	Substitute
End Plate	09
Type	Substitute
Manifold	M

Multipole (IP40 only) - Cables



Insert **15** for 1.5m,
03 for 3m and
05 for 5m

Multipole (IP40): Connector: 1 x D-Sub 25-pin



D-Sub connector wiring

Pin no.	Wire colour	Socket	Pilot	Station
1	Black	Solenoid 1-a	14	1
2	Black, White	Solenoid 2-a	14	2
3	Brown	Solenoid 3-a	14	3
4	Brown, White	Solenoid 4-a	14	4
5	Red	Solenoid 5-a	14	5
6	Red, Yellow	Solenoid 6-a	14	6
7	Red, White	Solenoid 7-a	14	7
8	Pink	Solenoid 8-a	14	8
9	Pink, White	Solenoid 9-a	14	9
10	Yellow	Solenoid 10-a	14	10
11	Yellow, Red	Solenoid 11-a	14	11
12	Yellow, Blue	Solenoid 12-a	14	12
13	Green	Common	--	--
14	Green, Yellow	Solenoid 1-b	12	1
15	Green, White	Solenoid 2-b	12	2
16	Blue	Solenoid 3-b	12	3
17	Blue, Yellow	Solenoid 4-b	12	4
18	Blue, White	Solenoid 5-b	12	5
19	Violet	Solenoid 6-b	12	6
20	Violet, White	Solenoid 7-b	12	7
21	Gray	Solenoid 8-b	12	8
22	Gray, Red	Solenoid 9-b	12	9
23	White	Solenoid 10-b	12	10
24	White, Red	Solenoid 11-b	12	11
25	White, Blue	Solenoid 12-b	12	12

* This table is only applicable to the D-Sub cables that NORGREN supplies, IP40 version. Cable part numbers VR10569-E15, VR10569-E03 and VR10569-E05.

The table indicates corresponding relation between pins, solenoids, pilots and stations based on configuration (12 stations, double solenoids) shown in table.

Valve islands exceeding 12 stations please refer to the Installation & Maintenance for Pin-Out

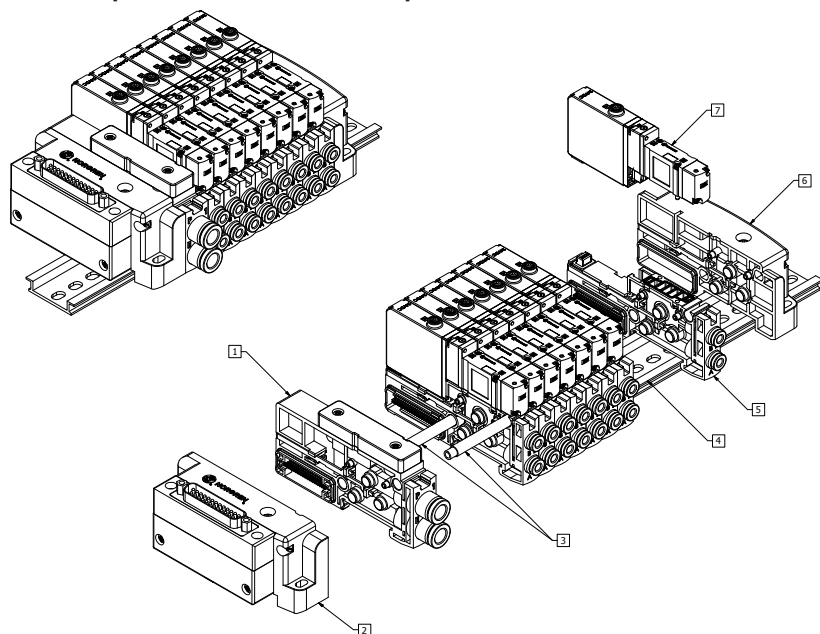
Part numbering for complete valve islands

VR★★★★★00-★★★★★

Series	Substitute
VR10	10
VR15	15
Number of stations	Substitute
2 stations	02
3 stations	03
4 stations	04
5 stations	05
6 stations	06
7 stations	07
8 stations	08
9 stations	09
10 stations	10
11 stations	11
12 stations	12
13 stations	13
14 stations	14
15 stations	15
16 stations	16
17 stations	17
18 stations	18
19 stations	19
20 stations	20
21 stations	21
22 stations	22
23 stations	23
24 stations	24
Electrical connection	Substitute
EtherCAT	EC
EtherNet/IP	EP
IO-Link	IL
PROFINET	PN
IP40 Multipole D-Sub 25pin	M2
P65 Multipole D-Sub 25pin	M6

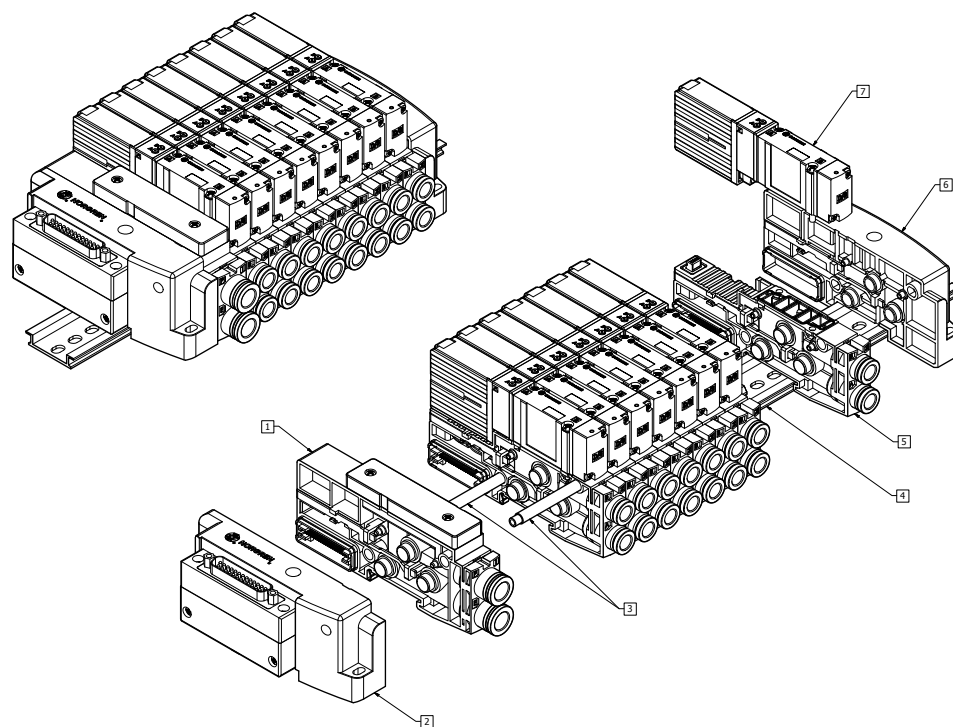
To be defined by online Valve Island configurator based on valve slice selection

VR10 Exploded view (IP40 Multipole Versions)



- 1 Sup/exh module
- 2 Left End Plate
- 3 Tie Rod
- 4 DIN Rail
- 5 Sub-base
- 6 Right End Plate
- 7 Valve

VR15 Exploded view (IP40 Multipole Versions)

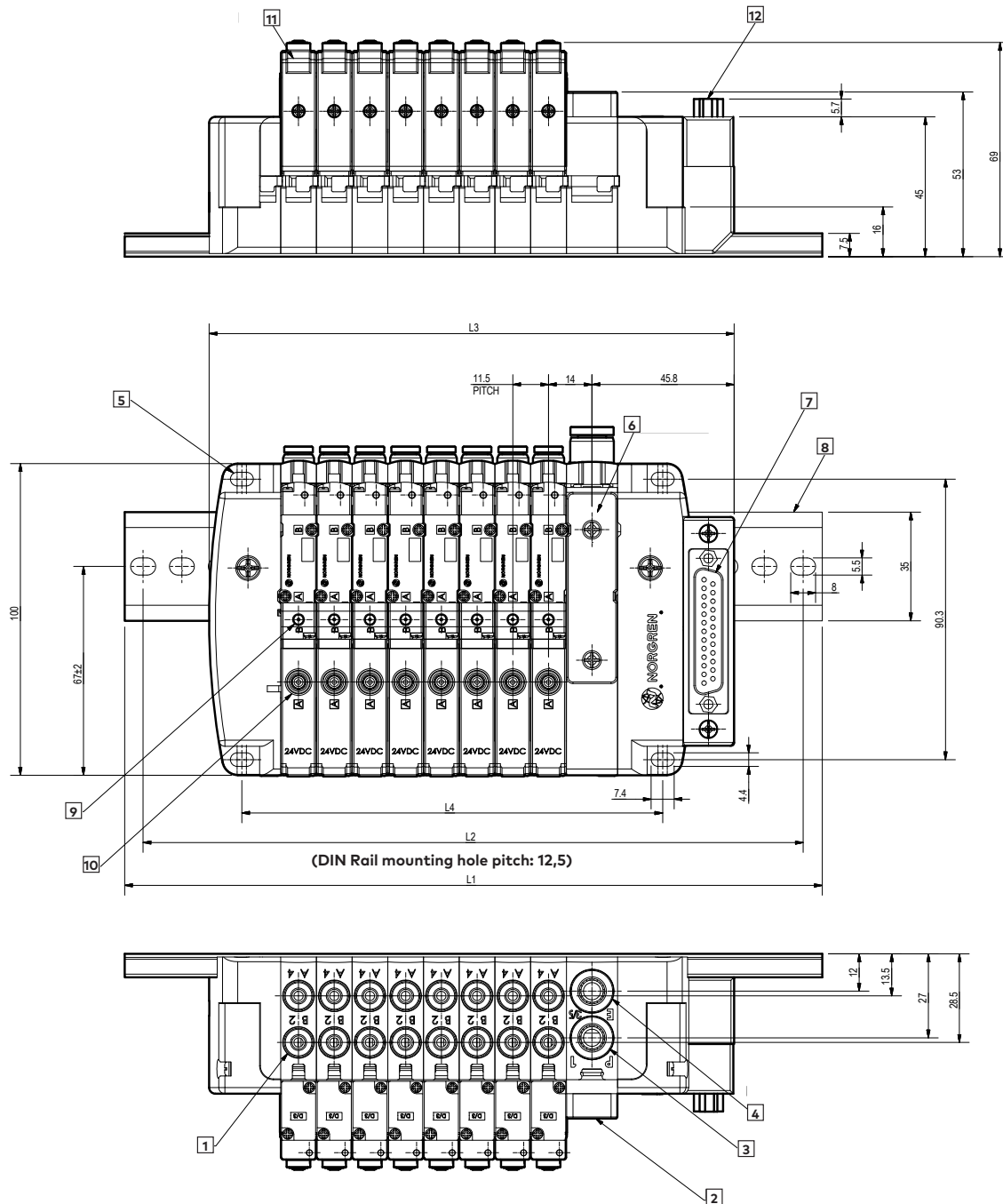


- 1 Sup/exh module
- 2 Left End Plate
- 3 Tie Rod
- 4 DIN Rail
- 5 Sub-base
- 6 Right End Plate
- 7 Valve

All configured assemblies must use tie rods

VR10 Series (Valve Island) Internal Pilot without Silencer (IP40 Multipole Versions)

Dimensions in mm
Projection/First angle



- 1 Outlet Port: PIF for tube O.D 4, O.D 6, O.D 5/32", O.D 1/4"
- 2 Sup/Exh module
- 3 Supply Port: PIF for tube O.D 8, O.D 5/16"
- 4 Exhaust Port: PIF for tube O.D 8, O.D 5/16"
- 5 Mounting 4x M4
- 6 Exhaust Port: Blank Plate

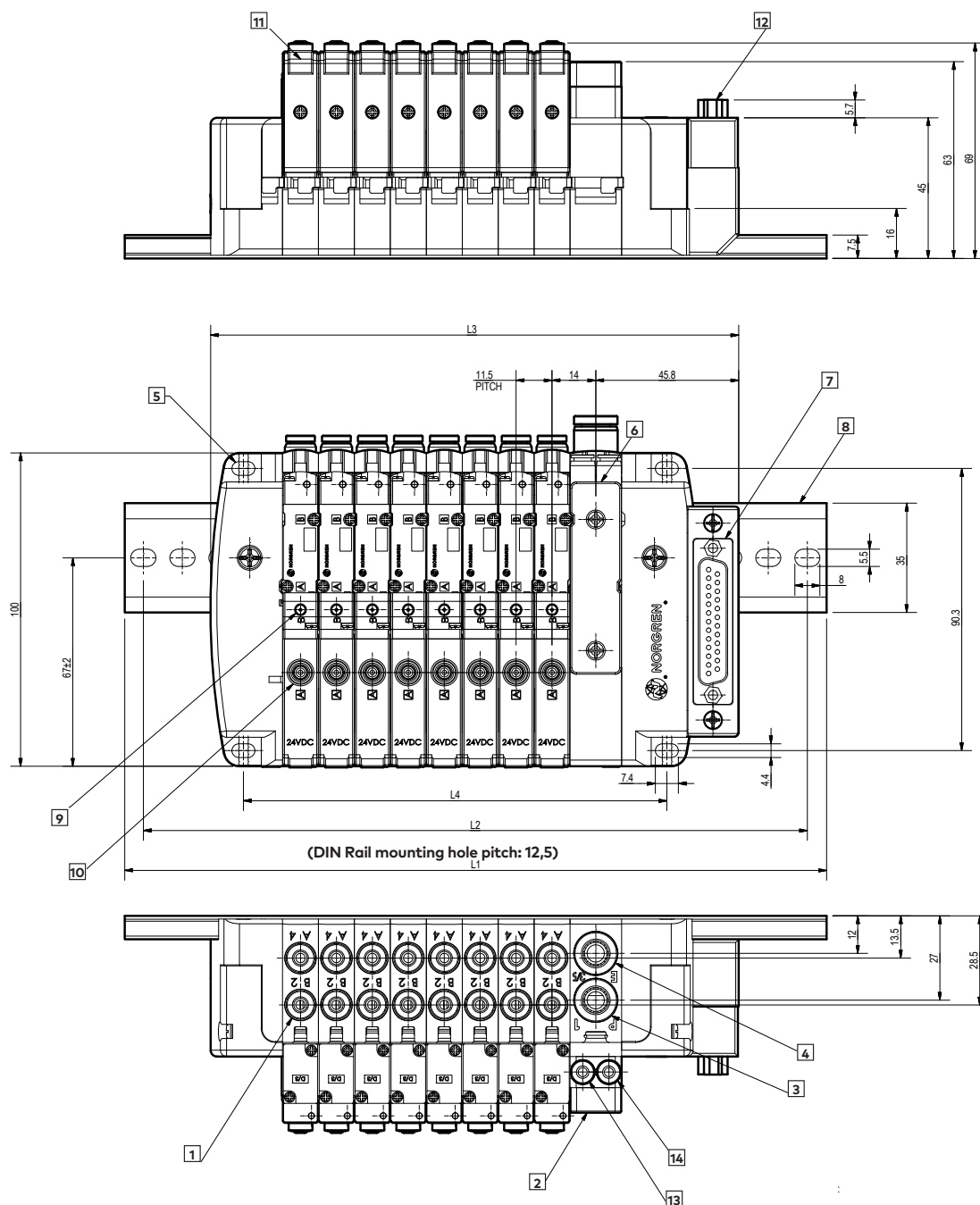
- 7 Applicable connector: D-Sub Connector 25 Pin
- 8 DIN Rail
- 9 Manual override (Port 2)
- 10 Manual override (Port 4)
- 11 LED
- 12 Connector direction: vertical or horizontal

N: Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1 (mm)	200					250					300					387,5					437,5		
L2 (mm)	187,5					237,5					287,5					375					425		
L3 (mm)	100	111,5	123	134,5	146	157,5	169	180,5	192	220	231,5	243	254,5	266	277,5	289	300,5	312	323,5	335	346,5	358	369,5
L4 (mm)	66,5	78	89,5	101	112,5	124	135,5	147	158,5	186,5	198	209,5	221	232,5	244	255,5	267	278,5	290	301,5	313	324,5	336

*2-10 stations: one Sup/Exh Module is required. 11-24 stations: two Sup/Exh Modules are recommended.

VR10 Series (Valve Island) External Pilot without Silencer (IP40 Multipole Versions)

Dimensions in mm
Projection/First angle



1 Outlet Port: PIF for tube O.D 4, O.D 6, O.D 5/32", O.D 1/4"

2 Sup/exh module

3 Supply Port: PIF for tube O.D 8, O.D 5/16"

4 Exhaust Port: PIF for tube O.D 8, O.D 5/16"

5 Mounting 4x M4

6 Exhaust Port: Blank Plate

7 Applicable connector: D-Sub Connector 25 Pin

8 DIN Rail

9 Manual override (Port 2)

10 Manual override (Port 4)

11 LED

12 Connector direction: vertical or horizontal

13 Supply Port of external pilot: PIF for tube O.D. 4, O.D. 5/32

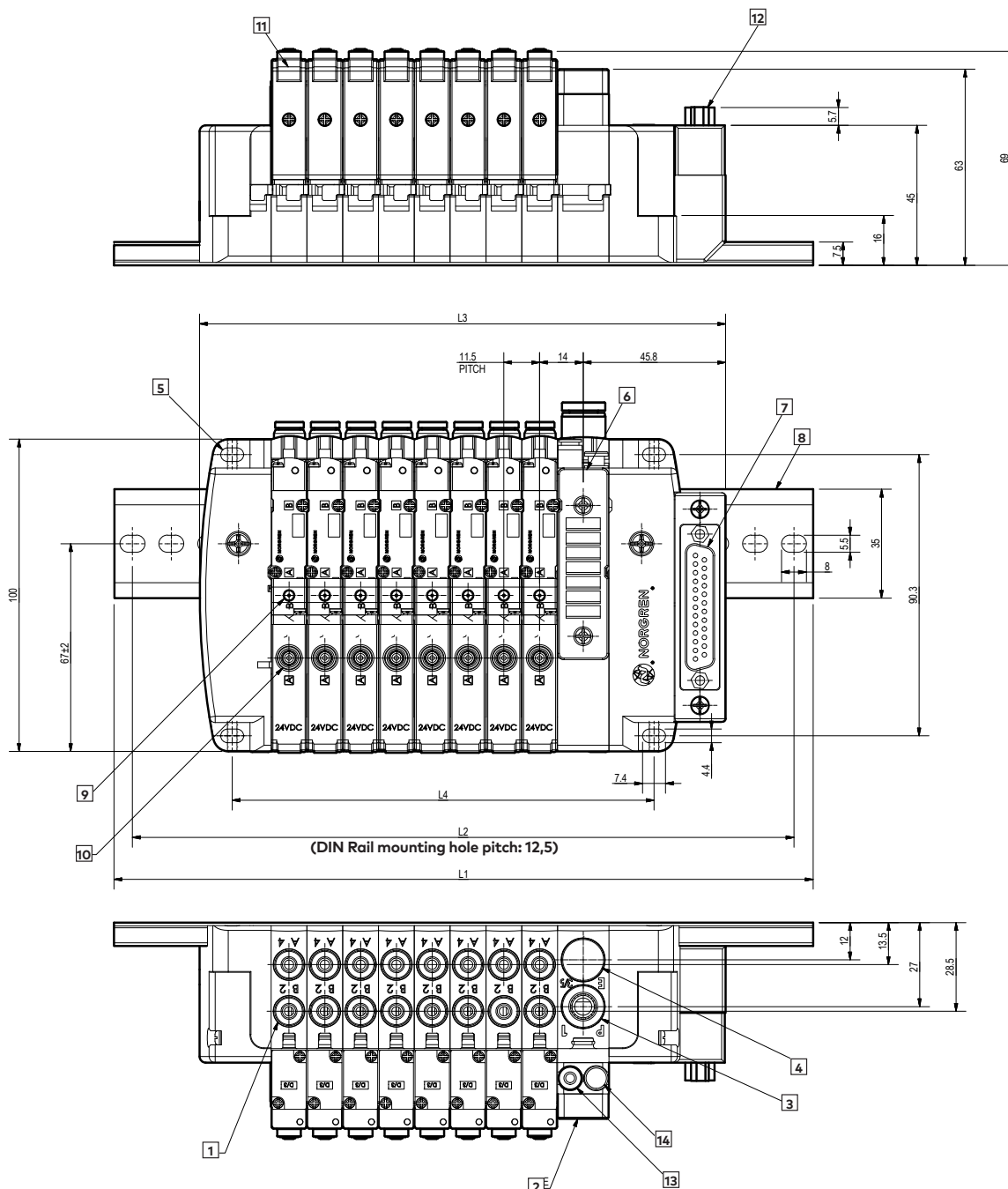
14 Exhaust Port of external pilot: PIF for tube O.D. 4, O.D. 5/32"

N: Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
L1 (mm)	200					250					300					387,5					437,5			
L2 (mm)	187,5					237,5					287,5					375					425			
L3 (mm)	100	111,5	123	134,5	146	157,5	169	180,5	192	220	231,5	243	254,5	266	277,5	289	300,5	312	323,5	335	346,5	358	369,5	
L4 (mm)	66,5	78	89,5	101	112,5	124	135,5	147	158,5	186,5	198	209,5	221	232,5	244	255,5	267	278,5	290	301,5	313	324,5	336	

*2-10 stations: one Sup/Exh Module is required. 11-24 stations: two Sup/Exh Modules are recommended.

VR10 Series (Valve Island) External Pilot with Silencer (IP40 Multipole Versions)

Dimensions in mm
Projection/First angle



1 Outlet Port: PIF for tube O.D 4, O.D 6, O.D 5/32", O.D 1/4"

2 Sup/exh module

3 Supply Port: PIF for tube O.D 8, O.D 5/16"

4 Plug

5 Mounting 4x M4

6 Exhaust Port: Silencer Plate

7 Applicable connector: D-Sub Connector 25 Pin

8 DIN Rail

9 Manual override (Port 2)

10 Manual override (Port 4)

11 LED

12 Connector direction: vertical or horizontal

13 Supply Port of external pilot: PIF for tube O.D. 4, O.D. 5/32"

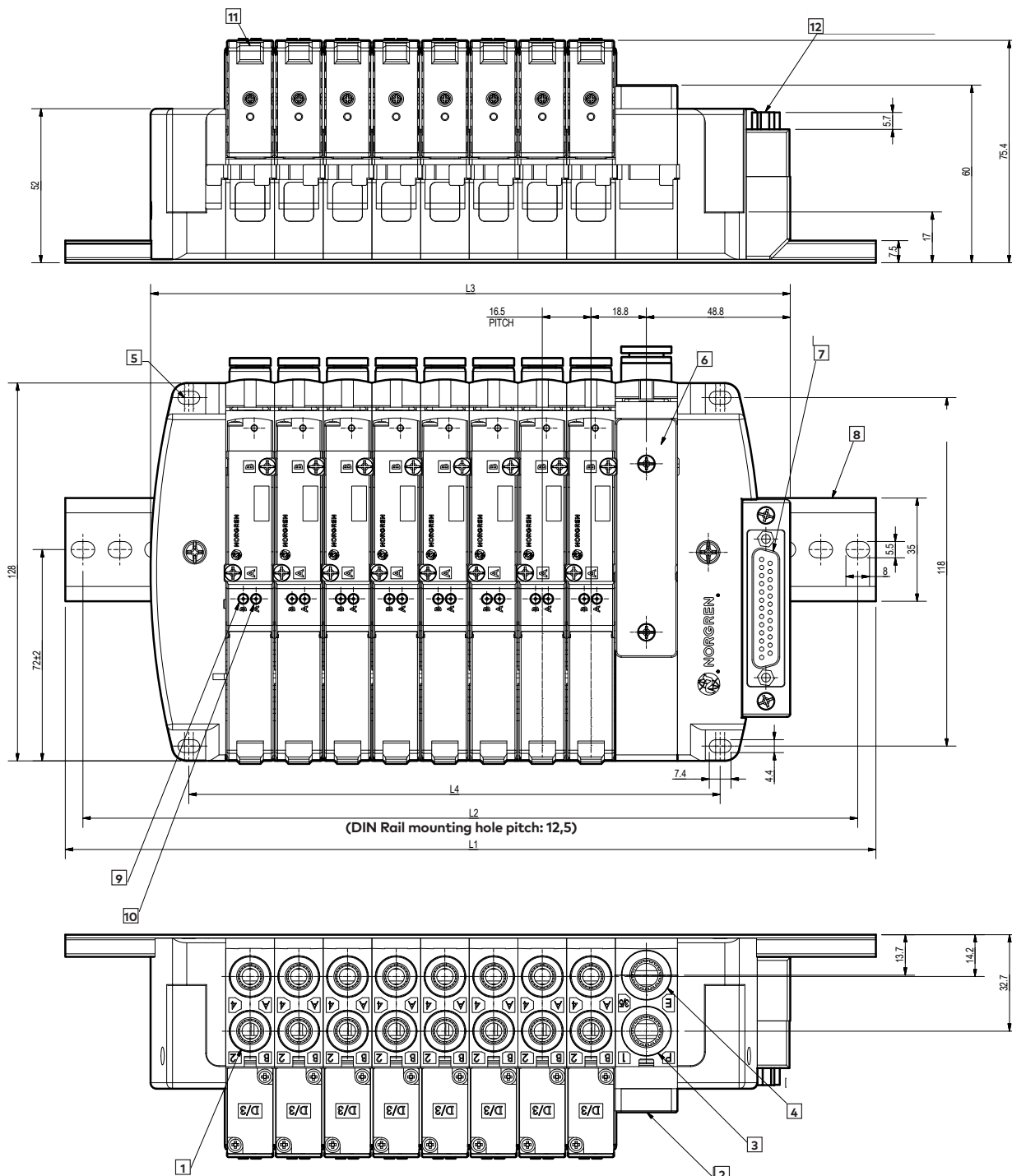
14 Plug

N: Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1 (mm)	200				250				300				387,5				437,5						
L2 (mm)	187,5				237,5				287,5				375				425						
L3 (mm)	100	111,5	123	134,5	146	157,5	169	180,5	192	220	231,5	243	254,5	266	277,5	289	300,5	312	323,5	335	346,5	358	369,5
L4 (mm)	66,5	78	89,5	101	112,5	124	135,5	147	158,5	186,5	198	209,5	221	232,5	244	255,5	267	278,5	290	301,5	313	324,5	336

*2-10 stations: one Sup/Exh Module is required. 11-24 stations: two Sup/Exh Modules are recommended.

VR15 Series (Valve Island) Internal Pilot without Silencer (IP40 Multipole Versions)

Dimensions in mm
Projection/First angle



- 1 Outlet Port: PIF for tube O.D. 4, O.D 6, O.D 8, O.D 1/4", O.D 5/16"
- 2 Sup/exh module
- 3 Supply Port: PIF for tube O.D 10, O.D 3/8"
- 4 Exhaust Port: PIF for tube O.D 10, O.D 3/8"
- 5 Mounting 4x M4
- 6 Exhaust Port: Blank Plate

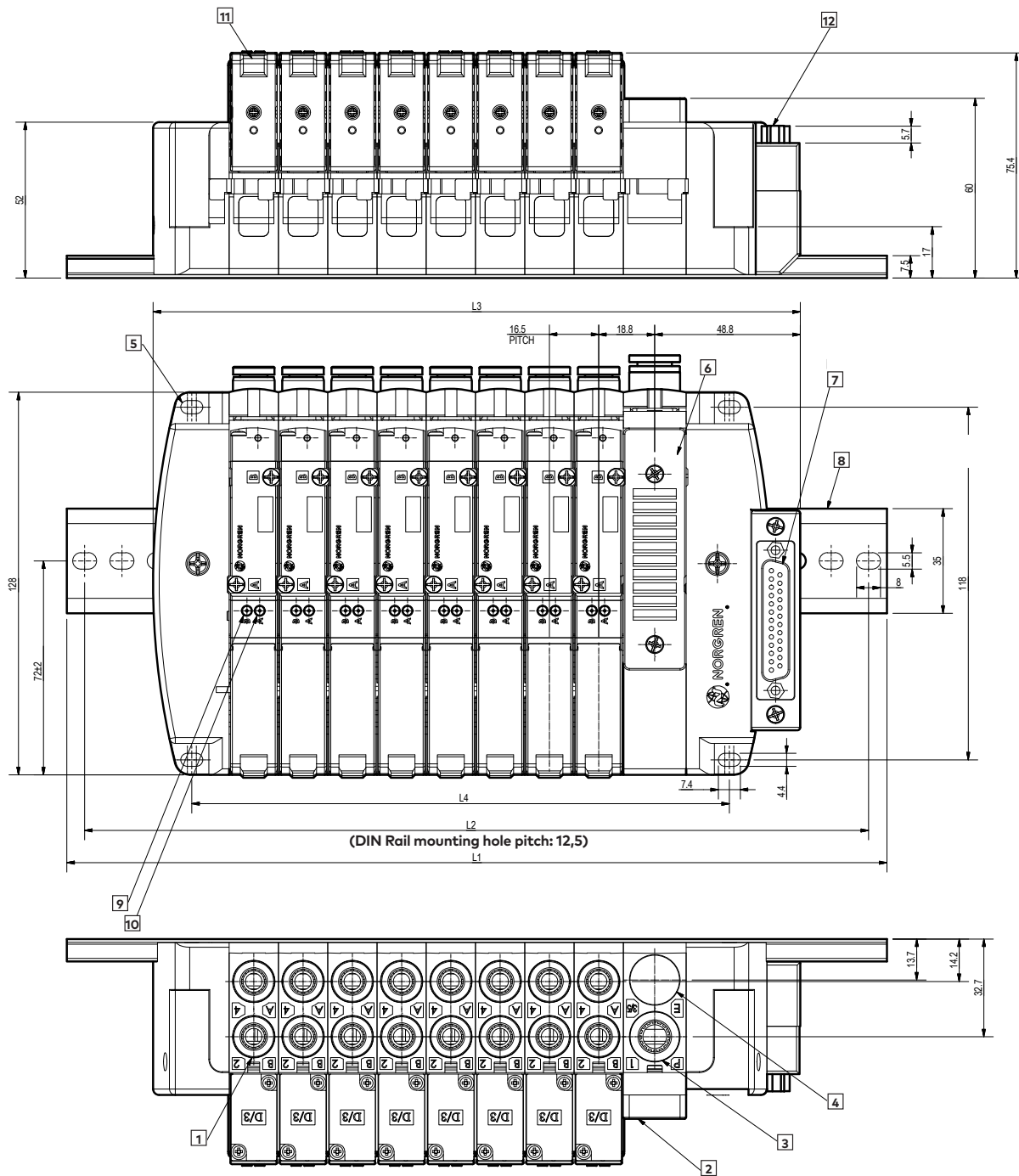
- 7 Applicable connector: D-Sub Connector 25 Pin
- 8 DIN Rail
- 9 Manual override (Port 2)
- 10 Manual override (Port 4)
- 11 LED
- 12 Connector direction: vertical or horizontal

N: Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1 (mm)			250					300				400					500				587		
L2 (mm)			237,5					287,5				387,5					487,5				574,5		
L3 (mm)	117,7	134,2	150,7	167,2	183,7	200,2	216,7	233,2	249,7	287,2	303,7	320,2	336,7	353,2	369,7	386,2	402,7	419,2	435,7	452,2	468,7	485,2	501,7
L4 (mm)	81	97,5	114	130,5	147	163,5	180	196,5	213	250,5	267	283,5	300	316,5	333	349,5	366	382,5	399	415,5	432	448,5	465

*2-10 stations: one Sup/Exh Module is required. 11-24 stations: two Sup/Exh Modules are recommended.

VR15 Series (Valve Island) Internal Pilot with Silencer (IP40 Multipole Versions)

Dimensions in mm
Projection/First angle



- 1 Outlet Port: PIF for tube O.D. 4, O.D 6, O.D 8, O.D 1/4", O.D 5/16"
- 2 Sup/exh module
- 3 Supply Port: PIF for tube O.D 10, O.D 3/8"
- 4 Plug
- 5 Mounting 4x M4
- 6 Exhaust Port: Silencer Plate

- 7 Applicable connector: D-Sub Connector 25 Pin
- 8 DIN rail
- 9 Manual override (Port 2)
- 10 Manual override (Port 4)
- 11 LED
- 12 Connector direction: vertical or horizontal

N: Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1 (mm)	250				300				400				500				587						
L2 (mm)	237,5				287,5				387,5				487,5				574,5						
L3 (mm)	117,7	134,2	150,7	167,2	183,7	200,2	216,7	233,2	249,7	287,2	303,7	320,2	336,7	353,2	369,7	386,2	402,7	419,2	435,7	452,2	468,7	485,2	501,7
L4 (mm)	81	97,5	114	130,5	147	163,5	180	196,5	213	250,5	267	283,5	300	316,5	333	349,5	366	382,5	399	415,5	432	448,5	465

*2-10 stations: one Sup/Exh Module is required. 11-24 stations: two Sup/Exh Modules are recommended.

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