Valve slices 2 x 3/2, 5/2 and 5/3 with integral push-in fittings Ø 3 mm, 4 mm, 6 mm

Multipole or individually wired for installation flexibility

Interchangeable Fieldbus compatible modules

Compact and lightweight

Quick disconnect base (Pneumapole)

High flow from 10 mm valve width

Flexible design concept

All major Fieldbus protocols available



Technical data

Medium:
Compressed air, filtered, lubricated and non-lubricated

Operation:
Spool valve indirectly actuated

Port sizes:
Ø 3 mm, 4 mm, 6 mm Push-in fittings
Imperial versions also available

Operating pressure:
Maximum 8 bar

Flow:

Function	'C'	b'	'A'	l/min	Cv	Kv
5/2 port 1 to 2 & 4	1,77	0,48	7,10	430	0,44	0,36
5/2 ports 2 to 3 & 4 to 5	1,65	0,45	6,61	400	0,41	0,34
3/2 ports 1 to 2 & 1 to 4	1,44	0,39	5,78	350	0,36	0,29
3/2 ports 2 to 3 & 4 to 5	1,44	0,39	5,78	350	0,36	0,29
5/3 ports 1 to 2 & 4	1,44	0,39	5,78	350	0,36	0,29
5/3 ports 2 to 3 & 4 to 5	1,44	0,39	5,78	350	0,36	0,29

Degree of protection:

Individually wired	IP40
Multipole & Fieldbus	IP65

Ambient temperature:
-5°C to +50°C
(consult our Technical Service for use below +2°C)

Materials

Body, end plates: engineered PPA co-polymer
Spool: aluminium
Seals: nitrile rubber

Ordering information

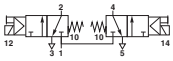
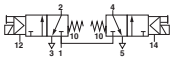
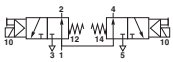
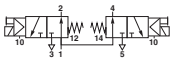
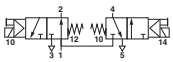
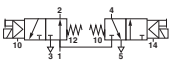
To order please use valve island configurator available at www.norgren.com or use the manual Valve Island Specification Form on page 20

Page

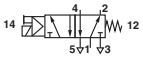
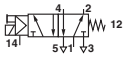
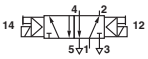
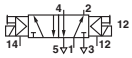
Valves 2
Accessories 4
Multipole. 6
Fieldbus 7
Pneumapole sub-base. 12
Fieldbus accessories 17

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document.

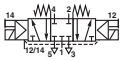
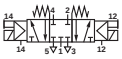
2 x 3/2 Double solenoid actuated valves

Symbol	Model	Function 2 x 3/2	Actuation	Pilot supply	Manual override	Operating pressure (bar)	Pilot pressure (bar)	kg
	VM10*A11*B213B	NC	Sol/Spring	Internal	Turn & lock	3 ... 8	–	0,054
	VM10*A11*B313B	NC	Sol/Spring	Internal	Push only	3 ... 8	–	0,054
	VM10*A22*B213B	NC	Sol/Spring	External	Turn & lock	-0,9 ... 8	3 ... 8	0,054
	VM10*A22*B313B	NC	Sol/Spring	External	Push only	-0,9 ... 8	3 ... 8	0,054
	VM10*B11*B213B	NO	Sol/Spring	Internal	Turn & lock	3 ... 8	–	0,054
	VM10*B11*B313B	NO	Sol/Spring	Internal	Push only	3 ... 8	–	0,054
	VM10*B22*B213B	NO	Sol/Spring	External	Turn & lock	-0,9 ... 8	3 ... 8	0,054
	VM10*B22*B313B	NO	Sol/Spring	External	Push only	-0,9 ... 8	3 ... 8	0,054
	VM10*C11*B213B	NC/NO	Sol/Spring	Internal	Turn & lock	3 ... 8	–	0,054
	VM10*C11*B313B	NC/NO	Sol/Spring	Internal	Push only	3 ... 8	–	0,054
	VM10*C22*B213B	NC/NO	Sol/Spring	External	Turn & lock	-0,9 ... 8	3 ... 8	0,054
	VM10*C22*B313B	NC/NO	Sol/Spring	External	Push only	-0,9 ... 8	3 ... 8	0,054

5/2 Single and double solenoid actuated valves

Symbol	Model	Function	Actuation	Pilot supply	Manual override	Operating pressure (bar)	Pilot pressure (bar)	kg
	VM10*517*B213B	5/2	Sol/Spring	Internal	Turn & lock	3 ... 8	–	0,044
	VM10*517*B313B	5/2	Sol/Spring	Internal	Push only	3 ... 8	–	0,044
	VM10*527*B213B	5/2	Sol/Spring	External	Turn & lock	-0,9 ... 8	3 ... 8	0,044
	VM10*527*B313B	5/2	Sol/Spring	External	Push only	-0,9 ... 8	3 ... 8	0,044
	VM10*511*B213B	5/2	Sol/Sol	Internal	Turn & lock	2 ... 8	–	0,054
	VM10*511*B313B	5/2	Sol/Sol	Internal	Push only	2 ... 8	–	0,054
	VM10*522*B213B	5/2	Sol/Sol	External	Turn & lock	-0,9 ... 8	2 ... 8	0,054
	VM10*522*B313B	5/2	Sol/Sol	External	Push only	-0,9 ... 8	2 ... 8	0,054

5/3 Double solenoid actuated valves

Symbol	Model	Function	Actuation	Pilot supply	Manual override	Operating pressure (bar)	Pilot pressure (bar)	kg
	VM10*611*B213B	5/3 APB	Sol/Sol	Internal	Turn & lock	3 ... 8	–	0,055
	VM10*611*B313B	5/3 APB	Sol/Sol	Internal	Push only	3 ... 8	–	0,055
	VM10*622*B213B	5/3 APB	Sol/Sol	External	Turn & lock	-0,9 ... 8	3 ... 8	0,055
	VM10*622*B313B	5/3 APB	Sol/Sol	External	Push only	-0,9 ... 8	3 ... 8	0,055

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

Note: * For selecting port sizes please see page 5.4.115.03

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 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. 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.

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document.

Options selector

VM10★★★★★B★13B

Tube size	Substitute
3 mm PIF	3
4 mm PIF	4
6 mm PIF	6
No PIF (for use with Pneumapole) [1]	7

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
For valve island specification see page 17
Use our configurator under http://www.norgren.com (also available on CD)
1) Requires Pneumapole sub-base
2) Can only be used with 5/2 valve

Manual override	Substitute
Turn to lock manual overide	2
Push only manual overide	3

Exhaust	Substitute
Standard open exhaust	A

Actuation/pilot supply	Substitute
Solenoid/solenoid internal pilot	11
Solenoid/spring internal pilot [2]	17
Solenoid/solenoid external pilot	22
Solenoid/spring external pilot [2]	27

Electrical details

Voltage:	24 V d.c. 0,6 W [1]
Surge suppression:	Flywheel diode
Indication:	Yellow LED

1) 12 V d.c. also available. Please consult our Technical Service.

Solenoids

Voltage tolerance:	± 10%
Rating:	100% ED

Protection classification (IP code)

All VM10 multipole and fieldbus valve islands fulfil the IP65 rating.
All VM10 individually wired valve islands fulfil the IP40 rating.

UL/CSA approval

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

ATEX

The 24 V d.c. multipole and fieldbus valve islands fulfil the requirement of the standard 94/9/EC for intended use in hazardous locations.
Equipment group, category, type of protection:

II3 G EEx nA II T5X
II3 D IP65 T90°C
-15°C < tamb < 50°C

Please review all ATEX data and notes in the installation and maintenance instruction leaflet to eliminate any risks, allowing for safe function of the valve islands.

LABS free testing to standard LPV 0700.99000

VM10 has been tested by the Fraunhofer Institut IPA in Stuttgart and complies with Daimler Chrysler Standard LPV 0700.99000. This is a specification for the automotive industry which requires a product to be satisfactory in lacquer or paint spraying environments – no grease to be exposed to the article, being sprayed, by the product (via the compressed air or the packaging)

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Accessories

D Sub-connector 25 pin

IP65



V11569-E01	1 m	L1
V11569-E03	3 m	L2
V11569-E05	5 m	L3

D Sub-connector 44 pin

IP65



V11570-E01	1 m	M1
V11570-E03	3 m	M2
V11570-E05	5 m	M3

2 Pin connector

IP40



V11556-E10	1 m	K2
V11556-E03	0,3 m	K1

Valve blanking station



VM106517AQ0300	B000

Port blanking station



VM106517AQ0301	Port 1 blanked	B100
VM106517AQ0302	Ports 3 & 5 blanked	B300
VM106517AQ0303	Ports 1, 3 & 5 blanked	B500

Pressure switch



VM106517AQ0804	4 mm	7A
VM106517AQ0806	6 mm	7B

DIN Rail



V10009-C00	1 m	A17

DIN Rail fixing kit



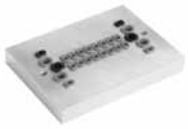
V11900-C01	8D

Manual override set-up kit (x2)



V11574-K30	Push only	N1
V11574-K31	Turn to lock	N2

Pneumapole sub-base



For part numbers and dimensional details see page 12 & 13

D Sub-connector 25 pin 90° Right handed



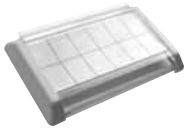
V12086-E01	1 m	L4
V12086-E03	3 m	L5
V12086-E05	5 m	L6

D Sub-connector 44 pin 90° Left handed



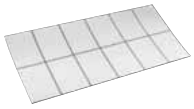
V12088-E01	1m	M4
V12088-E03	3m	M5
V12088-E05	5m	M6

Label cover kit



V12016-K36	4 Station	G1
V12016-K37	6 Station	G2
V12016-K38	8 Station	G3
V12016-K39	10 Station	G4
V12016-K40	12 Station	G5
V12016-K41	16 Station	G6

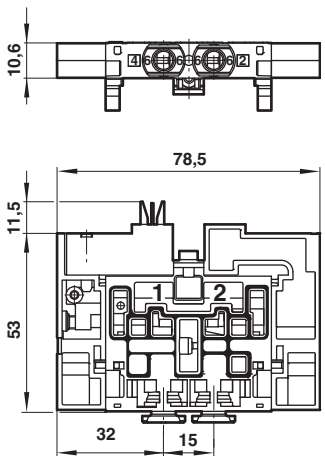
Labels



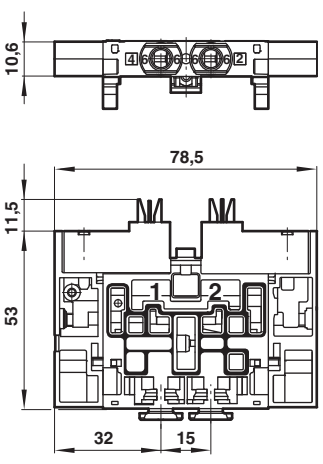
V12033-L02	Write and seal label	J1
V12034-L02	Paper label	J5

VM10 models

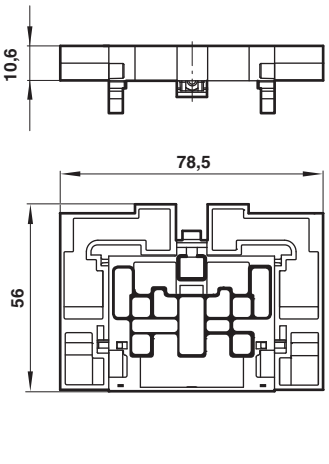
Single solenoid



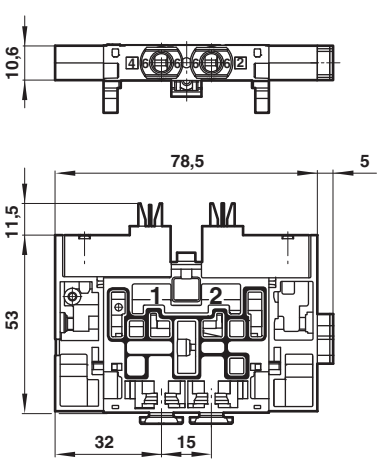
Double solenoid



Blanking plates



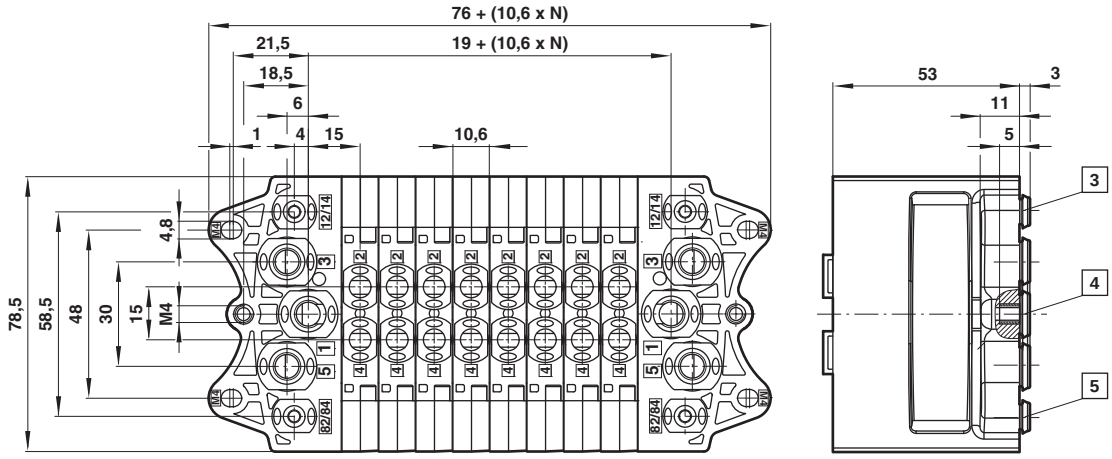
5/3 APB
Double solenoid



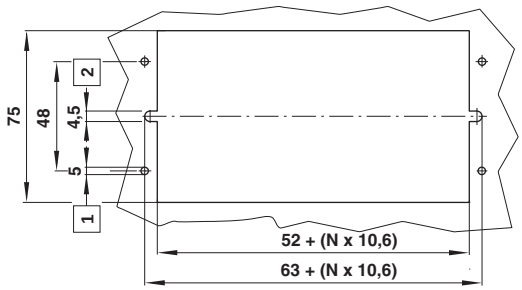
Valve blanking station	Short code	Port blanking station		Short code	kg
VM106517AQ0300	B000	VM106517AQ0301	Port 1 blanked	B100	0,028
		VM106517AQ0302	Ports 3 & 5 blanked	B300	0,028
		VM106517AQ0303	Ports 1, 3 & 5 blanked	B500	0,028

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document.

Port connections



Panel cut-out detail



1. **For mounting island from outside of panel using M4 threads in valve island end plates**
2. **For using through-mounting holes in valve island end plates**
3. **Ports 12/14**
4. **Ports 1, 3 & 5**
5. **Ports 82/84**

N = number of stations

Detailed CAD drawings available through website valve island configurator

Model	Description	B Ports 1 ,3 & 5	A Ports 12/14 & 82/84	C Ports 2 & 4	Short code	kg
VM106517AQ010Y	End plate kit - feed both ends	10 mm	6 mm	6 mm	F100	0,170
VM106517AQ0108	End plate kit - feed both ends	8 mm	4 mm	4 mm	F800	0,170
VM106517AQ011Y	End plate kit - feed left, right blocked	10 mm	6 mm	6 mm	L100	0,170
VM106517AQ0118	End plate kit - feed left, right blocked	8 mm	4 mm	4 mm	L800	0,170
VM106517AQ012Y	End plate kit - feed right, left blocked	10 mm	6 mm	6 mm	R100	0,170
VM106517AQ0128	End plate kit - feed right, left blocked	8 mm	4 mm	4 mm	R800	0,170
VM106517AQ0131	End plate kit - feed both ends	no PIF [1]	no PIF [1]	no PIF [1]	FP00	0,170
VM106517AQ0132	End plate kit - feed left, right blocked	no PIF [1]	no PIF [1]	no PIF [1]	RP00	0,170
VM106517AQ0133	End plate kit - feed right, left blocked	no PIF [1]	no PIF [1]	no PIF [1]	LP00	0,170

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

1) No push in fitting for use with pneumapole sub-base

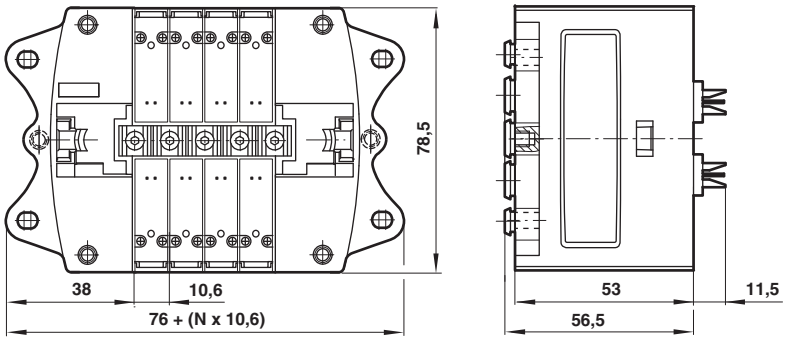
Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document.

Modular assembly

Individually wired IP40

Individually wired	No. of stations	Max. no. coils	kg [1]
2 Pin connector	2 ... 20	40	0,170

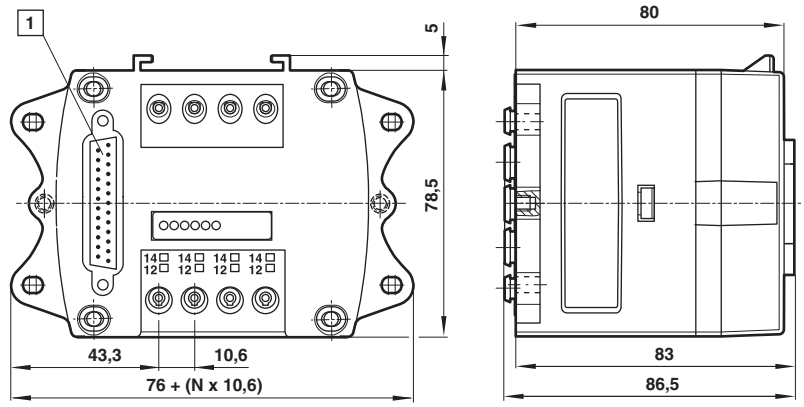
1) kg + valves weight



N = number of stations

Multipole IP65

Multipole	No. of stations	-ve common Model	Short code	+ve common Model	Short code	Max. no. coils	kg
25 Pin connector	4	VM106517AQ0404	2N04	VM106517RQ0404	2P04	8	0,116
25 Pin connector	6	VM106517AQ0406	2N06	VM106517RQ0406	2P06	12	0,122
25 Pin connector	8	VM106517AQ0408	2N08	VM106517RQ0408	2P08	16	0,128
25 Pin connector	10	VM106517AQ0410	2N10	VM106517RQ0410	2P10	20	0,134
25 Pin connector	12	VM106517AQ0412	2N12	VM106517RQ0412	2P12	24	0,140
44 Pin connector	10	VM106517AQ0510	4N10	VM106517RQ0510	4P10	20	0,138
44 Pin connector	12	VM106517AQ0512	4N12	VM106517RQ0512	4P12	24	0,144
44 Pin connector	16	VM106517AQ0516	4N16	VM106517RQ0516	4P16	32	0,160



N = number of stations

1 **25 Pin connector for 4, 6, 8, 10 & 12 station**

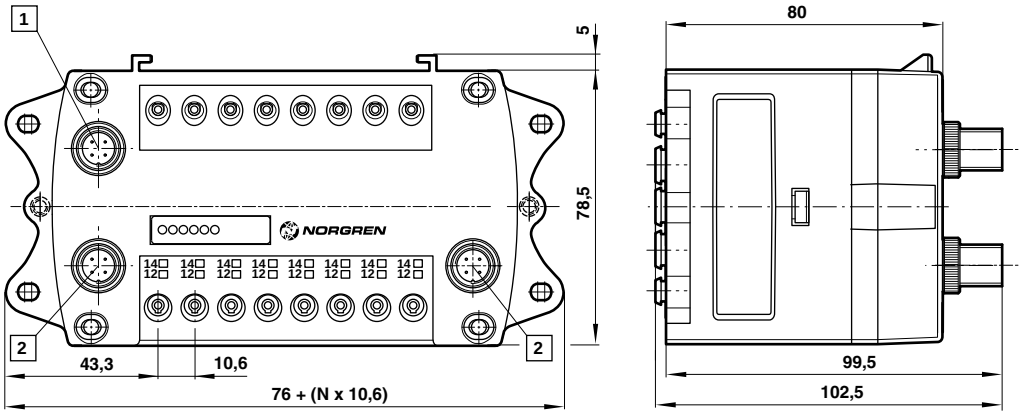
44 Pin connector for 10, 12 & 16 station

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document.

Fieldbus connections (M12 connector types IP65)

Model	Standard fieldbus	No. of stations	Max. no. coils	Short code	kg
VM10AS10A00410	AS-interface	04 [1]	4	A404	0,138
VM10AS10A00810	AS-interface [2]	08 [1]	8	A808	0,144
VM10AS10A00820	AS-interface [2]	04 [1]	8	A804	0,150
VM10AS10A00830	AS-interface [2]	06 [1]	8	A806	0,170
VM10DNFNB00082	DeviceNet	08	16	DR08	0,138
VM10DNFNB00102	DeviceNet	10	20	DR10	0,144
VM10DNFNB00122	DeviceNet	12	24	DR12	0,150
VM10DNFNB00162	DeviceNet	16	32	DR16	0,170
VM10CAFNB00082	CANopen	08	16	CR08	0,138
VM10CAFNB00102	CANopen	10	20	CR10	0,144
VM10CAFNB00122	CANopen	12	24	CR12	0,150
VM10CAFNB00162	CANopen	16	32	CR16	0,170

1) Number of stations = 04 (4 x sol/spring), 08 (8 x sol/spring), 04 (4 x sol/sol), 06 (4 x sol/spring, 2 x sol/sol).
2) Use 2 x M12 protocol connectors



1 **M12 power connector**
2 **M12 protocol connector**

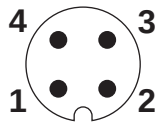
N = number of stations

(AS-i version shown)

Connector details

Power connection

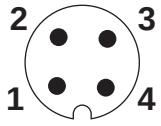
Male



Looking into node connector

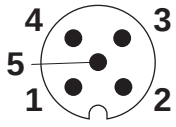
Pin no.	Function	Tolerance	Max. current
1	24 VB Logic circuit supply	±30%	300 mA
2	24 VA Valves	±10%	1,5 A
3	0 V	–	1,53 A
4	Earth	–	–

AS-i



Pin no.	Function
1	AS-i v+
2	–
3	AS-i v-
4	–

DeviceNet & CANopen



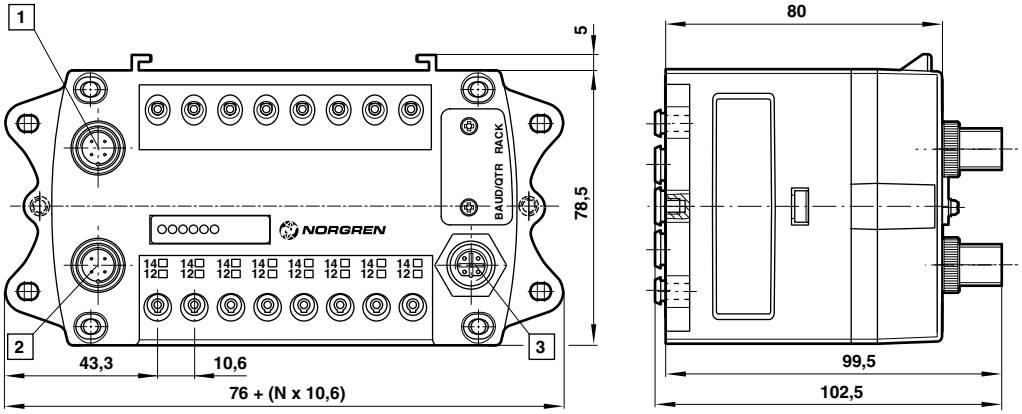
Pin no.	Function
1	Drain
2	V+
3	V-
4	CAN_H
5	CAN_L

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document.

Fieldbus connections (M12 connector types IP65)

Model	Standard Fieldbus	No. of stations	Max. no. coils	Short code	kg
VM10DPFNB00082	Profibus-DP	08	16	PS08	0,138
VM10DPFNB00102	Profibus-DP	10	20	PS10	0,144
VM10DPFNB00122	Profibus-DP	12	24	PS12	0,150
VM10DPFNB00162	Profibus-DP	16	32	PS16	0,170
–	AB RIO	08 [1)]	16	–	–
–	AB RIO	10 [1)]	20	–	–
–	AB RIO	12 [1)]	24	–	–
–	AB RIO	16 [1)]	32	–	–

1) For AB RIO requirements, please consult our Technical Service.



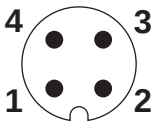
1 **M12 power connector**
2 **M12 protocol connector**

N = number of stations

Connector details

Power connection

Male

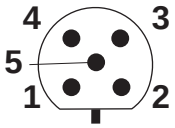


Looking into node connector

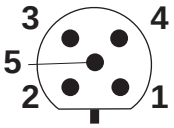
Pin no.	Function	Tolerance	Max. current
1	24 VB Logic circuit supply	±30%	300 mA
2	24 VA Valves	±10%	1,5 A
3	0 V	–	1,53 A
4	Earth	–	–

Profibus-DP

Male
Communication in

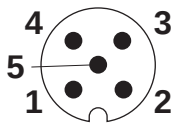


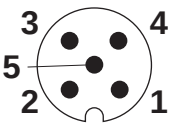
Female
Communication out



Pin no.	Function
1	5 VI Opto isolator
2	A-line (green)
3	0 VI Opto isolated
4	B-line (red)
5	Shield
Threaded joint	Shield

AB-RIO (Bus)



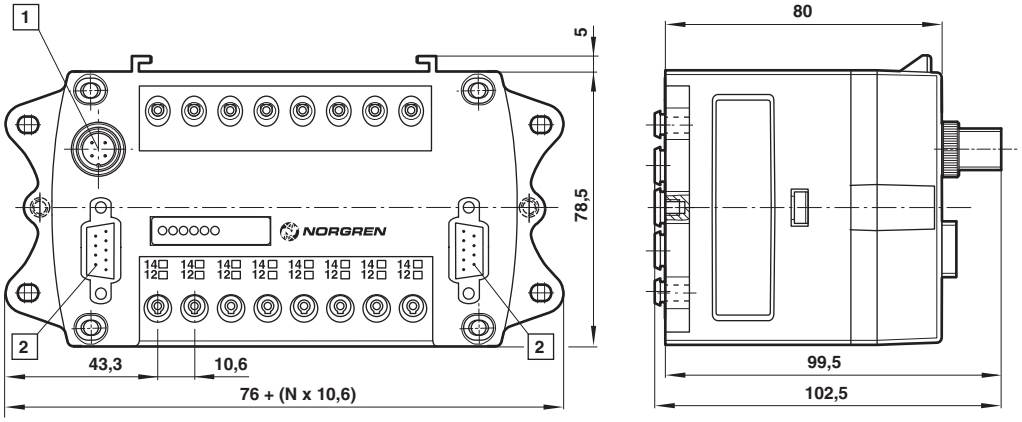


Pin no.	Function
1	RIO 1
2	–
3	RIO 2
4	–
5	RIO SH

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document.

Fieldbus connections - (9 pin D-type connector IP40)

Model	Standard Fieldbus	Max. no. coils	No. of stations	Short code	kg
VM10IBFNB00080	Interbus-S	8	16	S008	0,138
VM10IBFNB00100	Interbus-S	10	20	S010	0,144
VM10IBFNB00120	Interbus-S	12	24	S012	0,150
VM10IBFNB00160	Interbus-S	16	32	S016	0,170

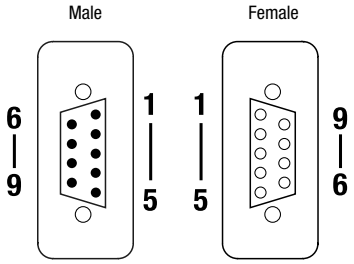


1 **M12 power connector**

2 **9 pin protocol connector**

N = number of stations

Connector details



Looking into node connector

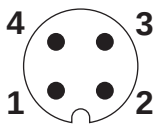
Outgoing Remote Bus D-Sub Connector (Female)		Incoming Remote Bus D-Sub Connector (Male)	
Pin Number	**Signal**	**Pin Number**	**Signal**
1	DO	1	DO
2	DI	2	DI
3	0VI	3	0VI
4	1)	4	1)
5	+5VI 2)	5	1)
6	/DO	6	/DO
7	/DI	7	/DI
8	1)	8	1)
9	RBST 2)	9	–

1) Do not connect to pins 4 or 8

2) If used, the outgoing bus connector should have pins 5 and 9 connected together to indicate the presence of a device on the outgoing bus.

Power connection

Male



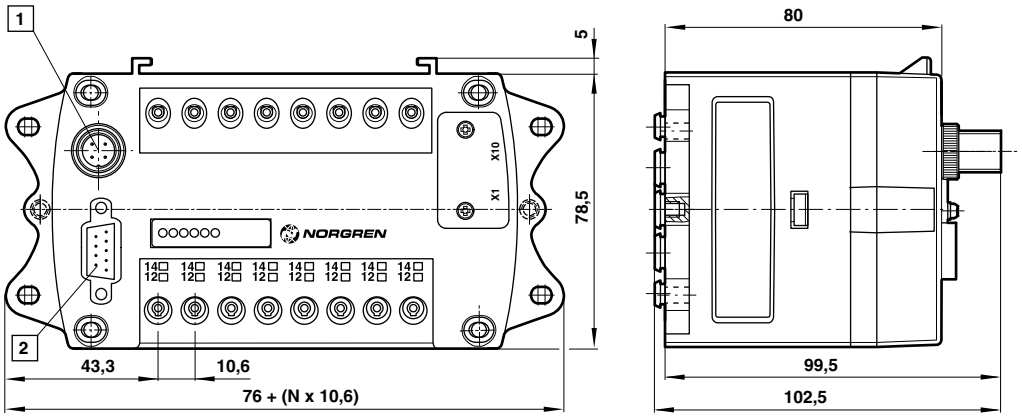
Looking into node connector

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	–	–

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Fieldbus connections - (9 pin D-type connector IP40)

Model	Standard Fieldbus	No. of stations	Max. no. coils	Short code	kg
VM10DPFNB00083	Profibus-DP	8	16	PR08	0,138
VM10DPFNB00103	Profibus-DP	10	20	PR10	0,144
VM10DPFNB00123	Profibus-DP	12	24	PR12	0,150
VM10DPFNB00163	Profibus-DP	16	32	PR16	0,170

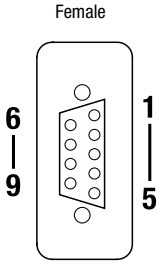


1 **M12 power connector**

2 **M12 protocol connector**

N = number of stations

Connector details



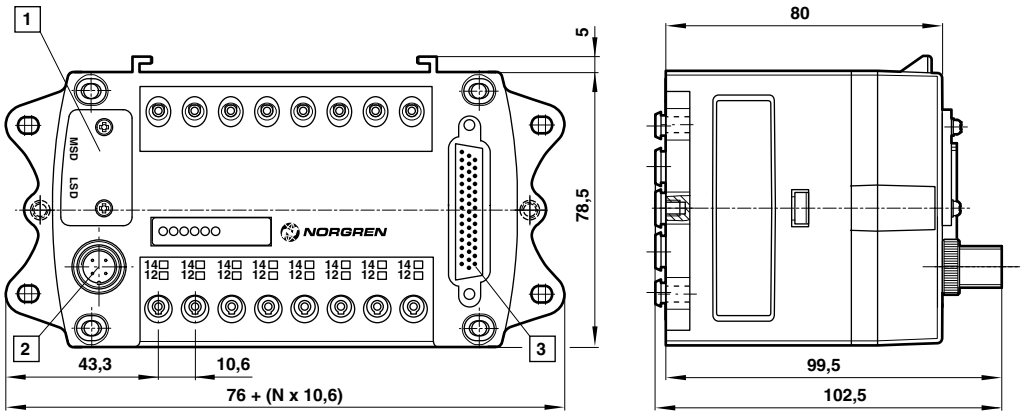
Pin Number	Function
1	Shield
2	N/C
3	B-line (Red) RxD / TxD-P
4	CNTR-P (RTS)
5	DGND (OVI) opto Isolated
6	VP (5VI) opto Isolated
7	N/C
8	A-line (Green) RxD / TxD-N
9	CNTR-N (direction control)

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Fieldbus connections with interlocks IP65

Model	Standard Fieldbus	No. of stations	Max. no. coils	Short code	kg
VM10DNFNB00083	DeviceNet	8	16	DK08	0,138
VM10DNFNB00103	DeviceNet	10	20	DK10	0,144
VM10DNFNB00123	DeviceNet	12	24	DK12	0,150
VM10DNFNB00163	DeviceNet	16	32	DK16	0,170

DeviceNet™

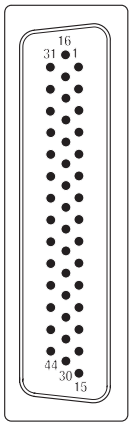


1 **Rotary address switch**
2 **M12 protocol connector**
3 **44 way 'D' interlocked power connector**

N = number of stations

Connector details

44 way 'D' interlocked power connections

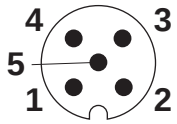


Looking into node connector

Valve/Sol	8	10	12	16	Valve/Sol	8	10	12	16
1-a	16	20	24	32	1-b	15	19	23	31
2-a	14	18	22	30	2-b	13	17	21	29
3-a	12	16	20	28	3-b	11	15	19	27
4-a	10	14	18	26	4-b	9	13	17	25
5-a	8	12	16	24	5-b	7	11	15	23
6-a	6	10	14	22	6-b	5	9	13	21
7-a	4	8	12	20	7-b	3	7	11	19
8-a	2	6	10	18	8-b	1	5	9	17
9-a	N/A	4	8	16	9-b	N/A	3	7	15
10-a	N/A	2	6	14	10-b	N/A	1	5	13
11-a	N/A	N/A	4	12	11-b	N/A	N/A	3	11
12-a	N/A	N/A	2	10	12-b	N/A	N/A	1	9
13-a	N/A	N/A	N/A	8	13-b	N/A	N/A	N/A	7
14-a	N/A	N/A	N/A	6	14-b	N/A	N/A	N/A	5
15-a	N/A	N/A	N/A	4	15-b	N/A	N/A	N/A	3
16-a	N/A	N/A	N/A	2	16-b	N/A	N/A	N/A	1
Common	44	44	44	44	Common	44	44	44	44

Fieldbus

DeviceNet & CANopen

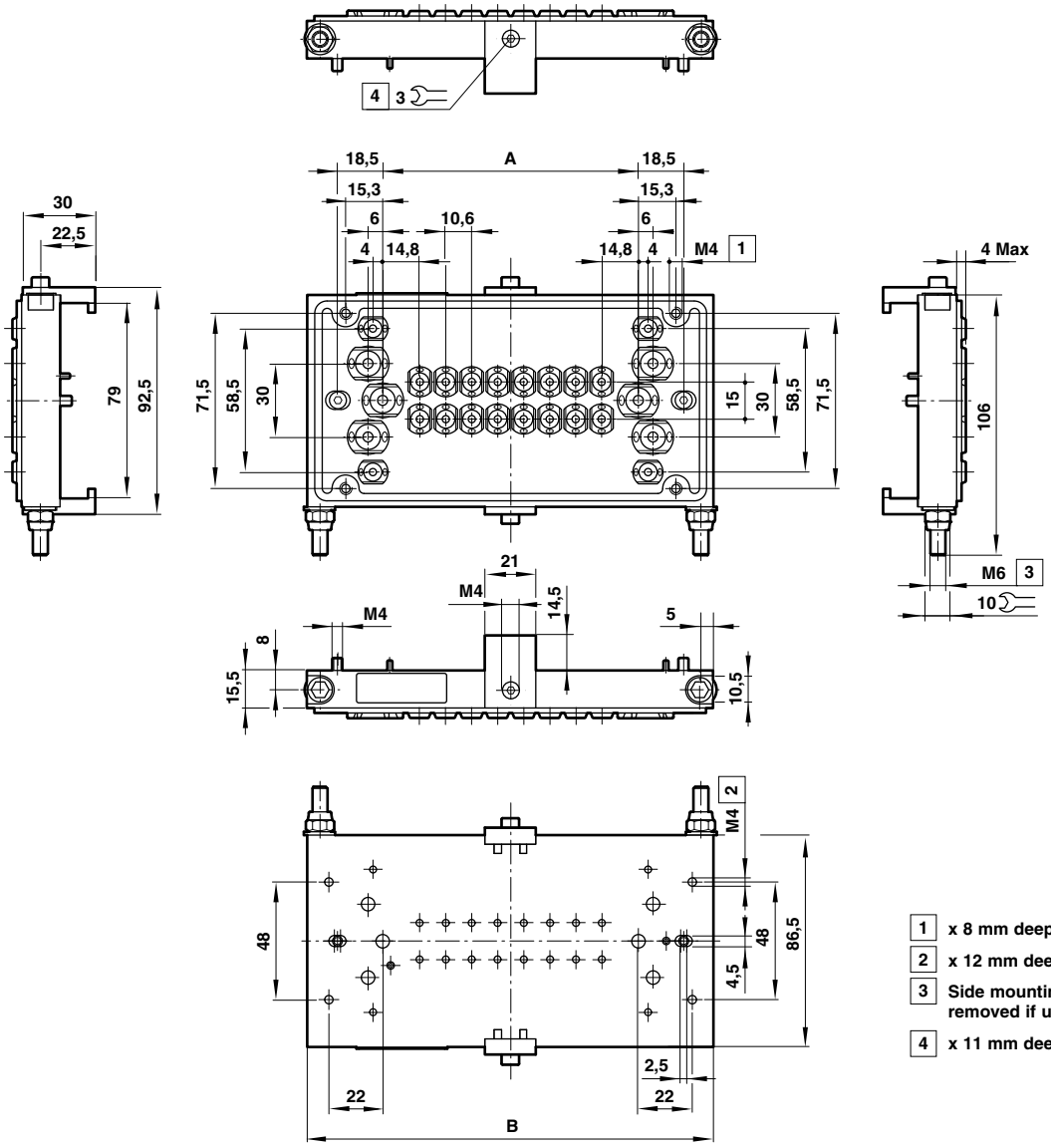


Pin no.	Function
1	Drain
2	V+
3	V-
4	CAN_H
5	CAN_L

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Pneumapole sub-base – bottom ported

Model	Description	A Ports 1, 3 & 5	B Ports 12/14 & 82/84	C Ports 2 & 4	Exhaust type	Short code
VM106517AQ6604	4 station Pneumapole	10 mm	6 mm	6 mm	Standard	6B04
VM106517AQ6606	6 station Pneumapole	10 mm	6 mm	6 mm	Standard	6B06
VM106517AQ6608	8 station Pneumapole	10 mm	6 mm	6 mm	Standard	6B08
VM106517AQ6610	10 station Pneumapole	10 mm	6 mm	6 mm	Standard	6B10
VM106517AQ6612	12 station Pneumapole	10 mm	6 mm	6 mm	Standard	6B12
VM106517AQ6616	16 station Pneumapole	10 mm	6 mm	6 mm	Standard	6B16



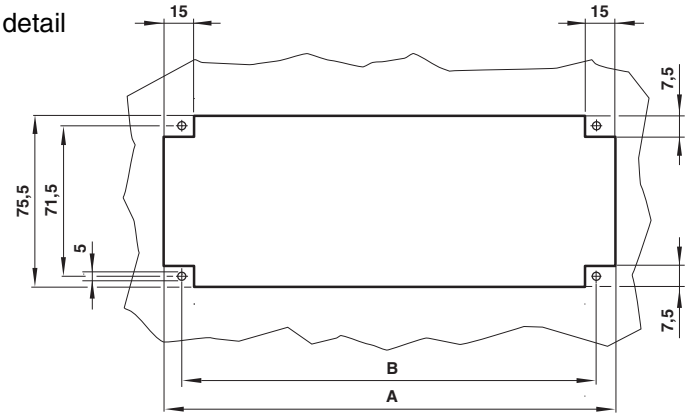
1 x 8 mm deep

2 x 12 mm deep

3 Side mounting option. Centre clamp to be removed if utilised.

4 x 11 mm deep (12 & 16 station version only)

Panel cut-out detail

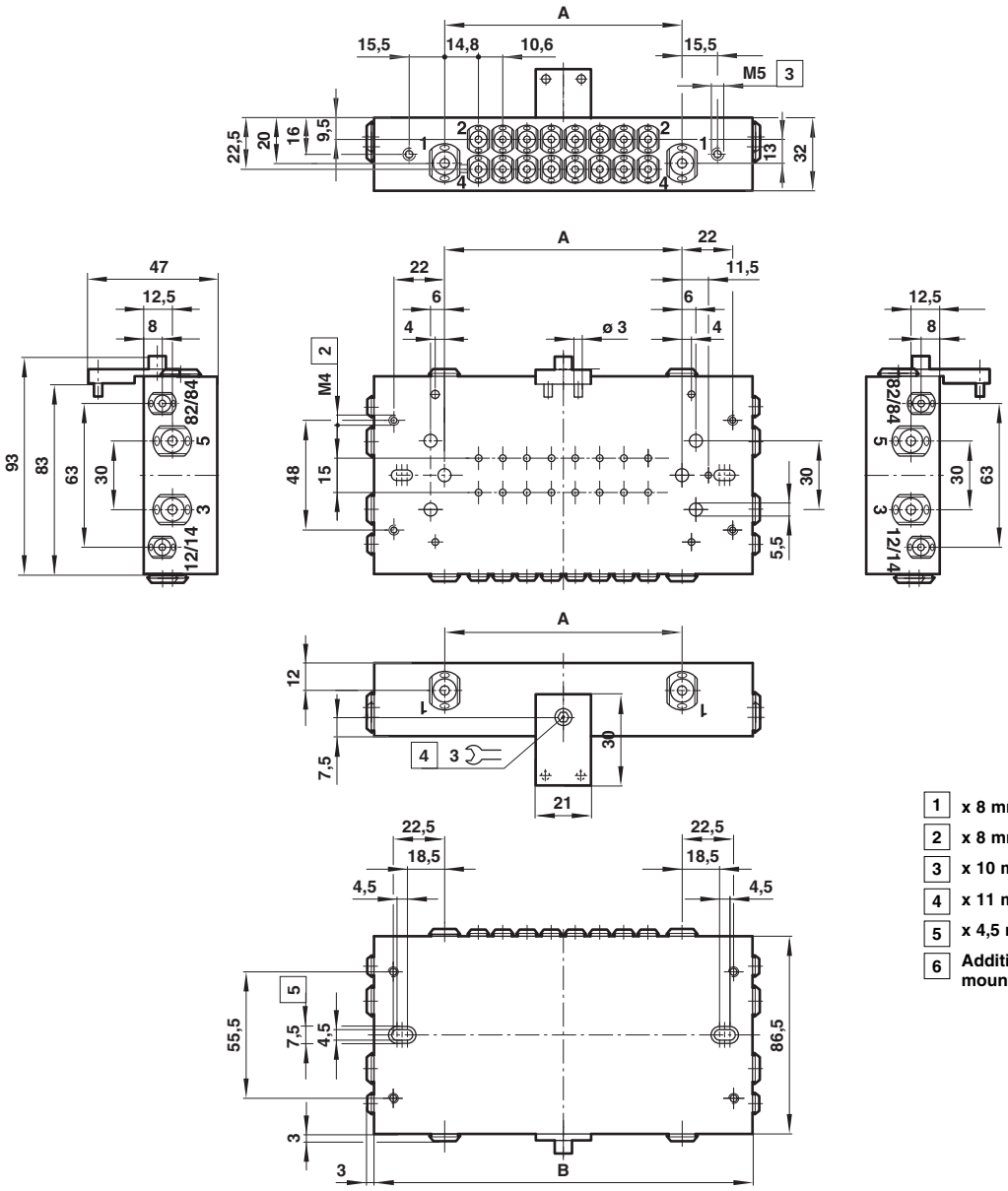


No. of stations	A	B
4	111,0	92,0
6	132,0	113,5
8	153,0	134,5
10	174,0	155,8
12	195,0	177,0
16	237,0	219,5

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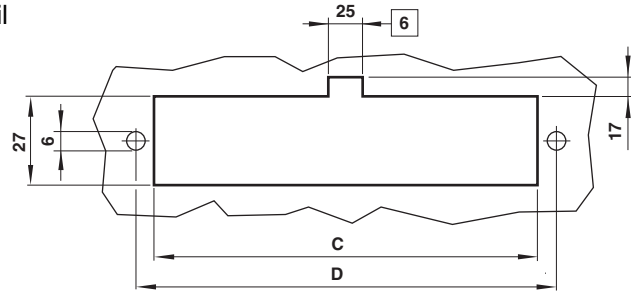
Pneumapole sub-base – side ported

Model	Description	A Ports 1, 3 & 5	B Ports 12/14 & 82/84	C Ports 2 & 4	Exhaust type	Short code
VM106517AQ6S04	4 station Pneumapole	10 mm	6 mm	6 mm	Standard	6S04
VM106517AQ6S06	6 station Pneumapole	10 mm	6 mm	6 mm	Standard	6S06
VM106517AQ6S08	8 station Pneumapole	10 mm	6 mm	6 mm	Standard	6S08
VM106517AQ6S10	10 station Pneumapole	10 mm	6 mm	6 mm	Standard	6S10
VM106517AQ6S12	12 station Pneumapole	10 mm	6 mm	6 mm	Standard	6S12
VM106517AQ6S16	16 station pneumapole	10 mm	6 mm	6 mm	Standard	6S16



1 x 8 mm deep
2 x 8 mm deep
3 x 10 mm deep
4 x 11 mm deep (12 & 16 station version only)
5 x 4,5 mm deep
6 Additional cut-out required when rear mounting 12 & 16 station versions

Panel cut-out detail

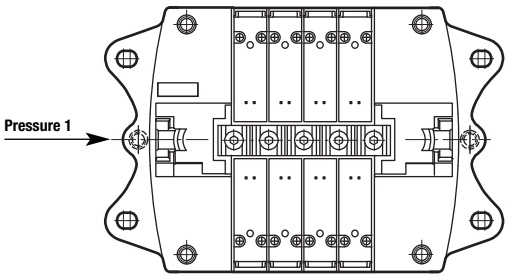


No. of stations	A	B
4	92,5	80,0
6	113,8	101,0
8	135,0	122,0
10	156,3	143,0
12	177,5	164,0
16	220,0	206,0

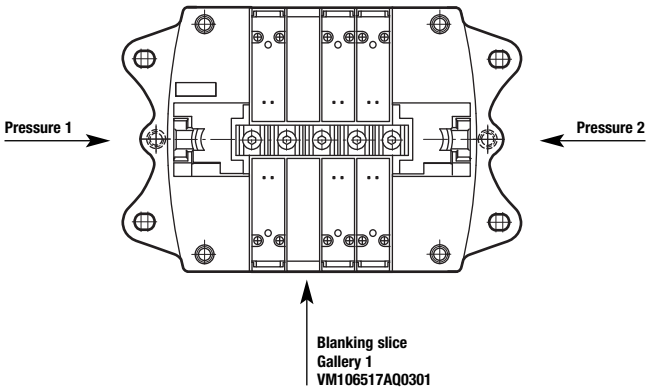
Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document.

Multi-pressure options

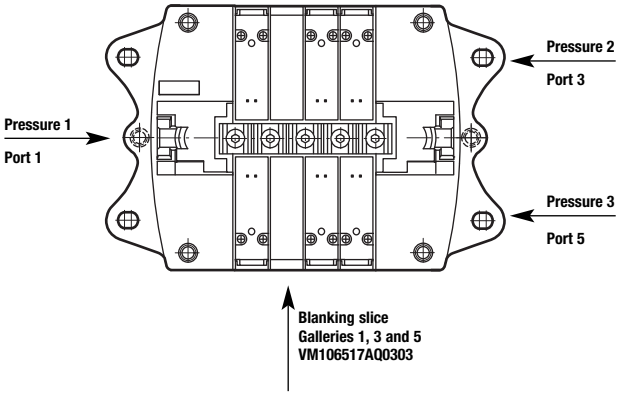
Single pressure



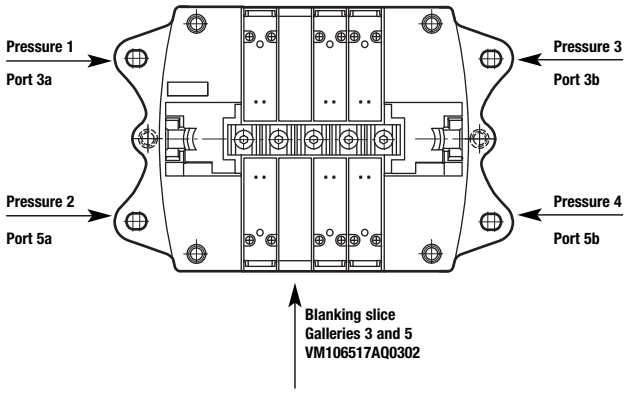
Dual pressure



Three pressure



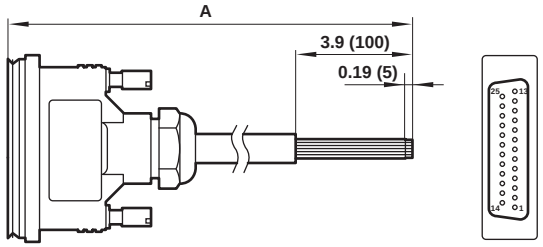
Four pressure



3 & 4 pressure systems can only be achieved using externally piloted 2 x 3/2 valves

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document.

25 pin D sub-connector (IP65)



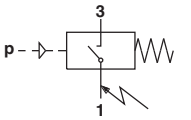
Model	A	Short code	kg
V11569-E01	1 m	L1	0,276
V11569-E03	3 m	L2	0,676
V11569-E05	5 m	L3	1,076

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

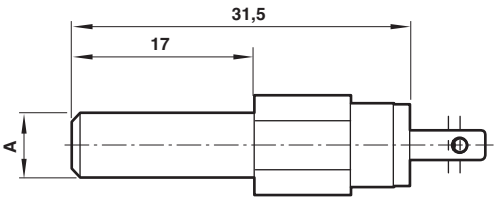
Note: Conforms to DIN 47100

Pressure switch

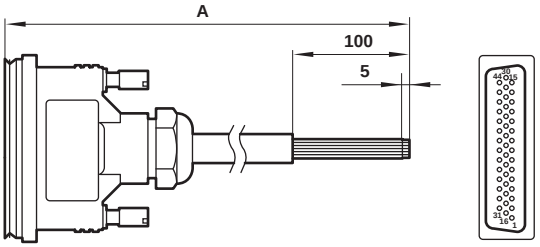
Model	A	Short code	kg
VM106517AQ0804	4	7A	0,004
VM106517AQ0806	6	7B	0,004



AMP E–terminals 2,8 x 0,8
Degree of protection: IP 00
Non adjustable
Pressure range: 0 ... 10 bar
Switching point rising pressure: 3,0 ... 5,0
Switch point falling pressure: 2,5 ... 3,7 bar



44 pin D Sub-connector (IP65)

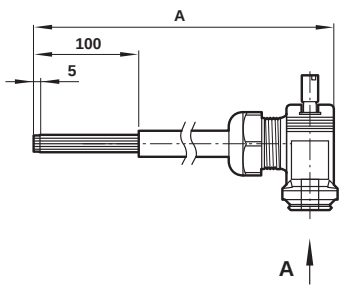


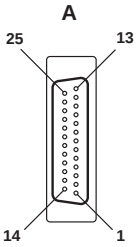
Model	A	Short code	kg
V11570-E01	1 m	M1	0,280
V11570-E03	3 m	M2	0,680
V11570-E05	5 m	M3	1,080

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	-	-

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D Sub-connector 25 pin 90°



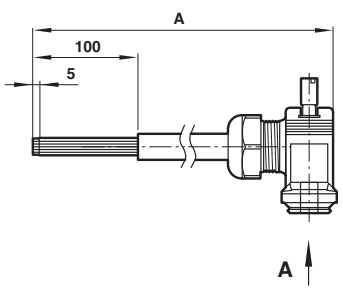


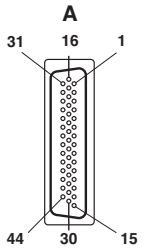
Model	A	Short code	kg
V12086-E01	1 m	L4	0,275
V12086-E03	3 m	L5	0,675
V12086-E05	5 m	L6	1,075

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 90°



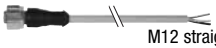
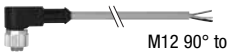
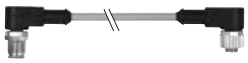


Model	A	Short code	kg
V12088-E01	1m	M4	0,280
V12088-E03	3m	M5	0,680
V12088-E05	5m	M6	1,080

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	-	-

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Fieldbus accessories

	Description	Connection	Cable length	Model	Short code
Fieldbus power connector					
	DeviceNet (4 pin, female) CANopen (4 pin, female) AB RIO (4 pin, female) Profibus-DP (4 pin, female) Interbus-S (4 pin, female)	M12	Wireable	V11588-E01	R1
Fieldbus power cables					
	M12 straight to open end	M12	1 m 2,5 m 5 m	FD676U84S74003 FD676U84S74006 FD676U84S7400B	C1 C2 C3
	M12 90° to open end	M12	1 m 2,5 m 5 m	FD676U84A74003 FD676U84A74006 FD676U84A7400B	C4 C5 C6
Interlock power connector					
	DeviceNet or CANopen (44 pin, female)	D-Sub	1 m 3 m 5 m	V11570-E01 V11570-E03 V11570-E05	M1 M2 M3
Communication cable and connector					
	Profibus straight	M12	0,3 m 1 m 2 m	FD677UP3SG3S11 FD677UP3SG3S13 FD677UP3SG3S15	A1 A2 A3
	DeviceNet/CANopen straight	M12	0,3 m 1 m 2 m	FD678UD5SH5S11 FD678UD5SH5S13 FD678UD5SH5S15	B1 B2 B3
	Profibus 90°	M12	0,3 m 1 m 2 m	FD677UP3AG3A11 FD677UP3AG3A13 FD677UP3AG3A15	A4 A5 A6
	DeviceNet/CANopen 90°	M12	0,3 m 1 m 2 m	FD678UD5AH5A11 FD678UD5AH5A13 FD678UD5AH5A15	B4 B5 B6
	DeviceNet (5 pin, female) CANopen (5 pin, female) AB RIO (5 pin, female)	M12	Wireable	V11589-E01	R2
	Profibus-DP, reverse keyway (5 pin, female)	M12	Wireable	V11590-E01	R3
	Profibus-DP, reverse keyway (5 pin male)	M12	Wireable	V11591-E01	R4
	Profibus-DP connector (9 pin, male with terminating resistor)	D-Sub IP40	Wireable	V11654-E01	R0
	Profibus - DP terminating resistor	M12	–	V11592-E01	R6
	AS-interface power or communications (4 pin)	M12	Wireable	VE1ASCN1-M1200	R5
	Interbus-S (9 pin)	D-Sub	1 m 3 m 5 m	VE2FBC9P-9S010 VE2FBC9P-9S030 VE2FBC9P-9S050	F21 F22 F23
	Interbus-S (9 pin, male)	D-Sub	Wireable	VE2FBC9P-00000	F24
	Interbus-S (9 pin, female)	D-Sub	Wireable	VE2FBC9S-00000	F25
	Interbus-S terminating connector (9 pin male)	D-Sub	–	V11340-E03	R9

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document.

Short codes for valve island specification

Model	Description	Manual override	Short code
VM103A11AB213B	2 x 3/2 - 2 x NC - Internal feed valve 3 mm PIF	Turn & lock	NA3T
VM103A11AB313B	2 x 3/2 - 2 x NC - Internal feed valve 3 mm PIF	Push only	NA3U
VM104A11AB213B	2 x 3/2 - 2 x NC - Internal feed valve 4 mm PIF	Turn & lock	NA4T
VM104A11AB313B	2 x 3/2 - 2 x NC - Internal feed valve 4 mm PIF	Push only	NA4U
VM106A11AB213B	2 x 3/2 - 2 x NC - Internal feed valve 6 mm PIF	Turn & lock	NA6T
VM106A11AB313B	2 x 3/2 - 2 x NC - Internal feed valve 6 mm PIF	Push only	NA6U
VM107A11AB213B	2 x 3/2 - 2 x NC - Internal feed valve no PIF	Turn & lock	NAZT
VM107A11AB313B	2 x 3/2 - 2 x NC - Internal feed valve no PIF	Push only	NAZU
VM103A22AB213B	2 x 3/2 - 2 x NC - External feed valve 3 mm PIF	Turn & lock	ND3T
VM103A22AB313B	2 x 3/2 - 2 x NC - External feed valve 3 mm PIF	Push only	ND3U
VM104A22AB213B	2 x 3/2 - 2 x NC - External feed valve 4 mm PIF	Turn & lock	ND4T
VM104A22AB313B	2 x 3/2 - 2 x NC - External feed valve 4 mm PIF	Push only	ND4U
VM106A22AB213B	2 x 3/2 - 2 x NC - External feed valve 6 mm PIF	Turn & lock	ND6T
VM106A22AB313B	2 x 3/2 - 2 x NC - External feed valve 6 mm PIF	Push only	ND6U
VM107A22AB213B	2 x 3/2 - 2 x NC - External feed valve no PIF	Turn & lock	NDZT
VM107A22AB313B	2 x 3/2 - 2 x NC - External feed valve no PIF	Push only	NDZU
VM103B11AB213B	2 x 3/2 - 2 x NO - Internal feed valve 3 mm PIF	Turn & lock	NB3T
VM103B11AB313B	2 x 3/2 - 2 x NO - Internal feed valve 3 mm PIF	Push only	NB3U
VM104B11AB213B	2 x 3/2 - 2 x NO - Internal feed valve 4 mm PIF	Turn & lock	NB4T
VM104B11AB313B	2 x 3/2 - 2 x NO - Internal feed valve 4 mm PIF	Push only	NB4U
VM106B11AB213B	2 x 3/2 - 2 x NO - Internal feed valve 6 mm PIF	Turn & lock	NB6T
VM106B11AB313B	2 x 3/2 - 2 x NO - Internal feed valve 6 mm PIF	Push only	NB6U
VM107B11AB213B	2 x 3/2 - 2 x NO - Internal feed valve no PIF	Turn & lock	NBZT
VM107B11AB313B	2 x 3/2 - 2 x NO - Internal feed valve no PIF	Push only	NBZU
VM103B22AB213B	2 x 3/2 - 2 x NO - External feed valve 3 mm PIF	Turn & lock	NE3T
VM103B22AB313B	2 x 3/2 - 2 x NO - External feed valve 3 mm PIF	Push only	NE3U
VM104B22AB213B	2 x 3/2 - 2 x NO - External feed valve 4 mm PIF	Turn & lock	NE4T
VM104B22AB313B	2 x 3/2 - 2 x NO - External feed valve 4 mm PIF	Push only	NE4U
VM106B22AB213B	2 x 3/2 - 2 x NO - External feed valve 6 mm PIF	Turn & lock	NE6T
VM106B22AB313B	2 x 3/2 - 2 x NO - External feed valve 6 mm PIF	Push only	NE6U
VM107B22AB213B	2 x 3/2 - 2 x NO - External feed valve no PIF	Turn & lock	NEZT
VM107B22AB313B	2 x 3/2 - 2 x NO - External feed valve no PIF	Push only	NEZU
VM103C11AB213B	2 x 3/2 - 1 x NC + 1 x NO - Internal feed valve 3 mm PIF	Turn & lock	NC3T
VM103C11AB313B	2 x 3/2 - 1 x NC + 1 x NO - Internal feed valve 3 mm PIF	Push only	NC3U
VM104C11AB213B	2 x 3/2 - 1 x NC + 1 x NO - Internal feed valve 4 mm PIF	Turn & lock	NC4T
VM104C11AB313B	2 x 3/2 - 1 x NC + 1 x NO - Internal feed valve 4 mm PIF	Push only	NC4U
VM106C11AB213B	2 x 3/2 - 1 x NC + 1 x NO - Internal feed valve 6 mm PIF	Turn & lock	NC6T
VM106C11AB313B	2 x 3/2 - 1 x NC + 1 x NO - Internal feed valve 6 mm PIF	Push only	NC6U
VM107C11AB213B	2 x 3/2 - 1 x NC + 1 x NO - Internal feed valve no PIF	Turn & lock	NCZT
VM107C11AB313B	2 x 3/2 - 1 x NC + 1 x NO - Internal feed valve no PIF	Push only	NCZU
VM103C22AB213B	2 x 3/2 - 1 x NC + 1 x NO - External feed valve 3 mm PIF	Turn & lock	NF3T
VM103C22AB313B	2 x 3/2 - 1 x NC + 1 x NO - External feed valve 3 mm PIF	Push only	NF3U
VM104C22AB213B	2 x 3/2 - 1 x NC + 1 x NO - External feed valve 4 mm PIF	Turn & lock	NF4T
VM104C22AB313B	2 x 3/2 - 1 x NC + 1 x NO - External feed valve 4 mm PIF	Push only	NF4U
VM106C22AB213B	2 x 3/2 - 1 x NC + 1 x NO - External feed valve 6 mm PIF	Turn & lock	NF6T
VM106C22AB313B	2 x 3/2 - 1 x NC + 1 x NO - External feed valve 6 mm PIF	Push only	NF6U
VM107C22AB213B	2 x 3/2 - 1 x NC + 1 x NO - External feed valve no PIF	Turn & lock	NFZT
VM107C22AB313B	2 x 3/2 - 1 x NC + 1 x NO - External feed valve no PIF	Push only	NFZU
VM10AC11AB213B	2 X 3/2 - 1 X N/C + 1 X N/O - Internal feed valve 1/8" PIF	Turn & lock	NCAT
VM103517AB213B	5/2 Solenoid Spring - Internal feed valve 3mm PIF	Turn & lock	NG3T
VM103517AB313B	5/2 Solenoid Spring - Internal feed valve 3mm PIF	Push only	NG3U
VM104517AB213B	5/2 Solenoid Spring - Internal feed valve 4mm PIF	Turn & lock	NG4T
VM104517AB313B	5/2 Solenoid Spring - Internal feed valve 4mm PIF	Push only	NG4U
VM106517AB213B	5/2 Solenoid Spring - Internal feed valve 6mm PIF	Turn & lock	NG6T
VM106517AB313B	5/2 Solenoid Spring - Internal feed valve 6mm PIF	Push only	NG6U
VM107517AB213B	5/2 Solenoid Spring - Internal feed valve No PIF	Turn & lock	NGZT
VM107517AB313B	5/2 Solenoid Spring - Internal feed valve No PIF	Push only	NGZU
VM103527AB213B	5/2 Solenoid Spring - External feed valve 3mm PIF	Turn & lock	NH3T
VM103527AB313B	5/2 Solenoid Spring - External feed valve 3mm PIF	Push only	NH3U
VM104527AB213B	5/2 Solenoid Spring - External feed valve 4mm PIF	Turn & lock	NH4T
VM104527AB313B	5/2 Solenoid Spring - External feed valve 4mm PIF	Push only	NH4U
VM106527AB213B	5/2 Solenoid Spring - External feed valve 6mm PIF	Turn & lock	NH6T
VM106527AB313B	5/2 Solenoid Spring - External feed valve 6mm PIF	Push only	NH6U
VM107527AB213B	5/2 Solenoid Spring - External feed valve No PIF	Turn & lock	NHZT
VM107527AB313B	5/2 Solenoid Spring - External feed valve No PIF	Push only	NHZU

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Short codes for valve island specification

Model	Description	Manual override	Short code
VM103511AB213B	5/2 Solenoid Solenoid - Internal feed valve 3 mm PIF	Turn & lock	NJ3T
VM103511AB313B	5/2 Solenoid Solenoid - Internal feed valve 3 mm PIF	Push only	NJ3U
VM104511AB213B	5/2 Solenoid Solenoid - Internal feed valve 4 mm PIF	Turn & lock	NJ4T
VM104511AB313B	5/2 Solenoid Solenoid - Internal feed valve 4 mm PIF	Push only	NJ4U
VM106511AB213B	5/2 Solenoid Solenoid - Internal feed valve 6 mm PIF	Turn & lock	NJ6T
VM106511AB313B	5/2 Solenoid Solenoid - Internal feed valve 6 mm PIF	Push only	NJ6U
VM107511AB213B	5/2 Solenoid Solenoid - Internal feed valve No PIF	Turn & lock	NJZT
VM107511AB313B	5/2 Solenoid Solenoid - Internal feed valve No PIF	Push only	NJZU
VM103522AB213B	5/2 Solenoid Solenoid - External feed valve 3 mm PIF	Turn & lock	NK3T
VM103522AB313B	5/2 Solenoid Solenoid - External feed valve 3 mm PIF	Push only	NK3U
VM104522AB213B	5/2 Solenoid Solenoid - External feed valve 4 mm PIF	Turn & lock	NK4T
VM104522AB313B	5/2 Solenoid Solenoid - External feed valve 4 mm PIF	Push only	NK4U
VM106522AB213B	5/2 Solenoid Solenoid - External feed valve 6 mm PIF	Turn & lock	NK6T
VM106522AB313B	5/2 Solenoid Solenoid - External feed valve 6 mm PIF	Push only	NK6U
VM107522AB213B	5/2 Solenoid Solenoid - External feed valve No PIF	Turn & lock	NKZT
VM107522AB313B	5/2 Solenoid Solenoid - External feed valve No PIF	Push only	NKZU
VM103611AB213B	5/3 APB Solenoid Solenoid - Internal feed valve 3 mm PIF	Turn & lock	NL3T
VM103611AB313B	5/3 APB Solenoid Solenoid - Internal feed valve 3 mm PIF	Push only	NL3U
VM104611AB213B	5/3 APB Solenoid Solenoid - Internal feed valve 4 mm PIF	Turn & lock	NL4T
VM104611AB313B	5/3 APB Solenoid Solenoid - Internal feed valve 4 mm PIF	Push only	NL4U
VM106611AB213B	5/3 APB Solenoid Solenoid - Internal feed valve 6 mm PIF	Turn & lock	NL6T
VM106611AB313B	5/3 APB Solenoid Solenoid - Internal feed valve 6 mm PIF	Push only	NL6U
VM107611AB213B	5/3 APB Solenoid Solenoid - Internal feed valve No PIF	Turn & lock	NLZT
VM107611AB313B	5/3 APB Solenoid Solenoid - Internal feed valve No PIF	Push only	NLZU
VM103622AB213B	5/3 APB Solenoid Solenoid - External feed valve 3 mm PIF	Turn & lock	NM3T
VM103622AB313B	5/3 APB Solenoid Solenoid - External feed valve 3 mm PIF	Push only	NM3U
VM104622AB213B	5/3 APB Solenoid Solenoid - External feed valve 4 mm PIF	Turn & lock	NM4T
VM104622AB313B	5/3 APB Solenoid Solenoid - External feed valve 4 mm PIF	Push only	NM4U
VM106622AB213B	5/3 APB Solenoid Solenoid - External feed valve 6 mm PIF	Turn & lock	NM6T
VM106622AB313B	5/3 APB Solenoid Solenoid - External feed valve 6 mm PIF	Push only	NM6U
VM107622AB213B	5/3 APB Solenoid Solenoid - External feed valve No PIF	Turn & lock	NMZT
VM107622AB313B	5/3 APB Solenoid Solenoid - External feed valve No PIF	Push only	NMZU

End plates

Model	Description		Short code
VM106517AQ010Y	End plate kit - feed both ends	10 mm	F100
VM106517AQ0108	End plate kit - feed both ends	8 mm	F800
VM106517AQ011Y	End plate kit - feed left, right blocked	10 mm	L100
VM106517AQ0118	End plate kit - feed left, right blocked	8 mm	L800
VM106517AQ012Y	End plate kit - feed right, left blocked	10 mm	R100
VM106517AQ0128	End plate kit - feed right, left blocked	8 mm	R800
VM106517AQ0131	End plate kit - feed both ends	no PIF	FP00
VM106517AQ0132	End plate kit - feed left, right blocked	no PIF	RP00
VM106517AQ0133	End plate kit - feed right, left blocked	no PIF	LP00

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Valve island specification

Valve island specification form VIP/ .....

Company name . . . . . Contact name. . . . . .

Address . . . . . Tel no. . . . . .

. . . . . Fax no . . . . . .

. . . . . E-mail . . . . . .

Using the short order codes provided complete the build model below.

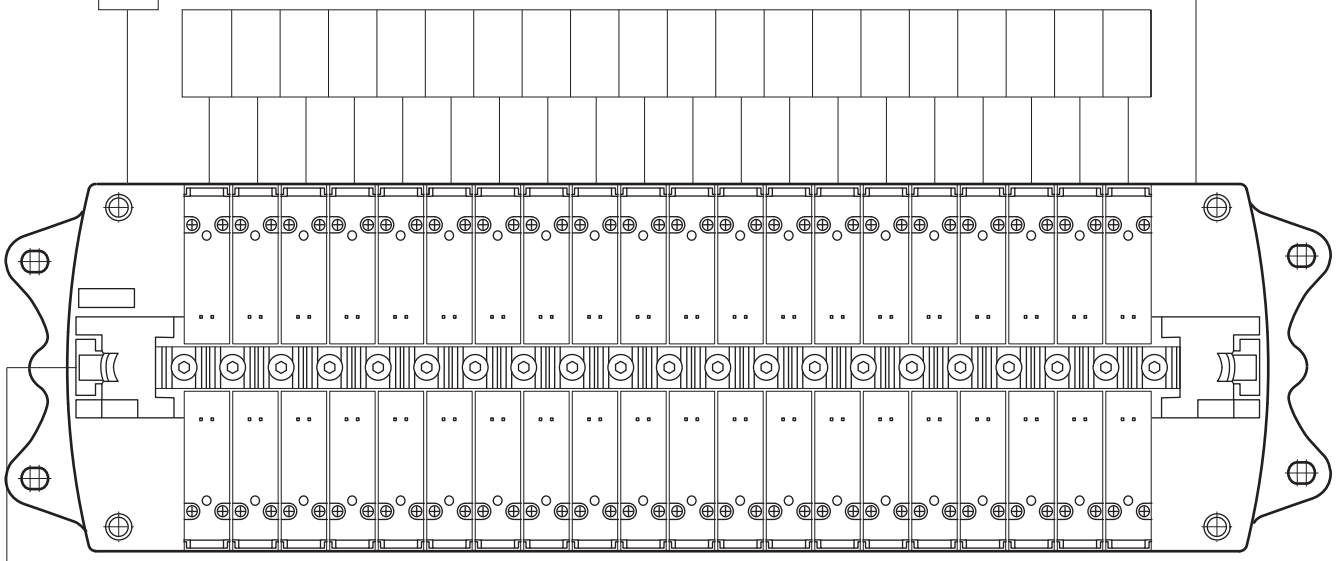
One valve island per sheet only

Unit ID No. . . . . . .
Norgren to specify

No. of units required ☐

Valve range:VM10

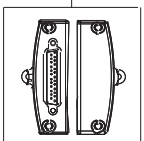
End plate code ☐ Valve codes



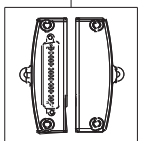
Connection options - select one only



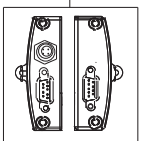
Individually wired
2 ... 20 stations ☐



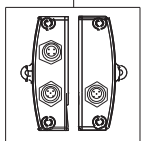
25 pin IP65
D-sub connector
4, 6, 8, 10 & 12 stations ☐



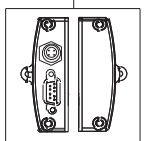
44 pin IP65
D-sub connector
10, 12 & 16 stations ☐



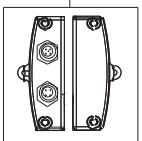
Interbus-S
8, 10, 12 & 16 stations ☐



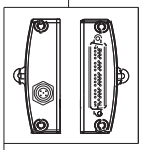
Profibus – DP
8, 10, 12 & 16 stations
M12 (IP65) ☐



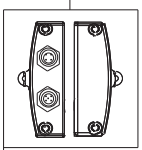
Profibus – DP
9 pin (IP40) ☐



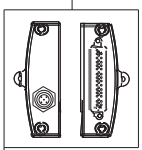
DeviceNet
8, 10, 12 & 16 stations ☐



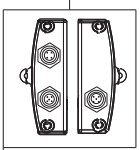
DeviceNet with interlocks
8, 10, 12 & 16 stations ☐



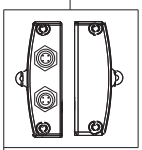
CANopen
8, 10, 12 & 16 stations ☐



CANopen with interlocks
8, 10, 12 & 16 stations ☐



AB RIO
8, 10, 12 & 16 stations ☐



AS interface
4, 6 & 8 stations ☐

Accessories

Short code	Qty per island

Power supply options
Select one only

Standard: 24 V d.c. negative common (Multipole & Fieldbus) ☐

Multipole 24 V d.c. positive common ☐

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document.