Technical data



Completely mounted modular valve systems, multi-pin connector, IP 20



Technical Data

Type Working pressure Temperature Medium

Subplate mounted with snap connections 8 bar (116 psi) -10 °C to +40 °C (+14 °F to +104 °F)

Compressed air, non-lubricated and lubricated

Protection

max.

Protection
*) Compressed air, lubricated according to IS 8573-1, category 1

Application area

Suitable for all applications. The valve is non-overlapping. Plug-in connections permit easy and fast mounting.

Corrosion resistant, low weight, extremely short response times.

Delivered completely assembled and tested.

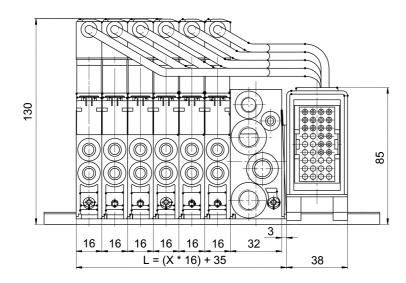
Order via Internet product configurator (www.boschrexroth.com/pneumatics).

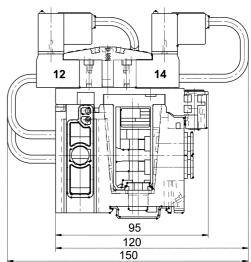


Delivery range

- with multi-pin connector (IP 20)
- for max, 18 coils
- Electrical connector with LED, protection circuit and protected wiring

Acce	ssory	Part no.	
Blind	insert	5762015902	
Silence	er, G 1/4	4381200000	
Silence	er, G 1/8	4381100000	
DIN rail mou	inting screws	8912117542	Multiple packaging (50 pcs.)
Blind plug	6 mm dia.	2123206000	for closing 2 or 4 (3/2 valve function
Blind plug	8 mm dia.	2123208000	for closing 2 or 4 (3/2 valve function
Name plat	te no. 1-10	8943056312	Multiple packaging (5 pcs.)
Name plate	e no. 11-20	8943056322	order qty, 5-off
Name	e clip	8991200002	Multiple packaging (20 pcs.)
	ector with cable	8946201082	





Completely mounted modular valve systems, multi-pin connector, with cable, 3 m or 10 m, IP 65



Technical Data

Protection

Type Working pressure Ambient temperature range Medium

Subplate mounted with snap connections 8 bar (116 psi) -10 °C to +40 °C (+14 °F to +104 °F)

Compressed air, non-lubricated and lubricated

Protection IP 65 (NEMA 4)
*) Compressed air, lubricated according to IS 8573-1, category 1

Application area

Suitable for all applications. The valve is non-overlapping. Plug-in connections permit easy and fast mounting.

Delivered completely assembled and tested.

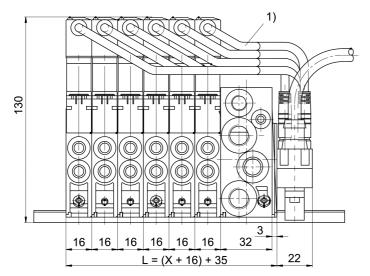
Order via Internet product configurator (www.boschrexroth.com/pneumatics).

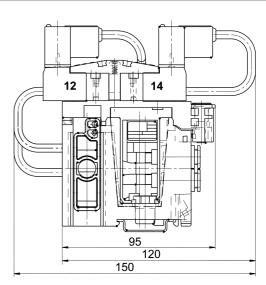


Delivery range

- with online-terminal and 3 m or 10 m cable outlet
- max. 10 coils for one terminal
- Electrical connector with LED, protection circuit and protected wiring

Accessory	Part no.	
Blind insert	5762015902	
Silencer, G 1/4	4381200000	
Silencer, G 1/8	4381100000	
DIN rail mounting screws	8912117542	Multiple packaging (50 pcs.)
Blind plug Ø 6 mm	2123206000	for closing 2 or 4 (3/2 valve function
Blind plug Ø 8 mm	2123208000	for closing 2 or 4 (3/2 valve function
Name plate no. 1-10	8943056312	multiple packaging (5 pcs.)
Name plate no. 11-20	8943056322	multiple packaging (5 pcs.)
Name plate	8991200002	multiple packaging (20 pcs.)
Cable with plug form C, LED	8946201652	
Blind plug for terminal	0493833405	





1) Cable with electrical connector Form C, LED and 8 mm Snap-in plug 8946201652

Completely mounted modular valve systems, multi-pin connector, with round plug M16 x 1,5, IP 65



Technical Data

Type Working pressure Ambient temperature range Medium

Subplate mounted with snap connections 8 bar (116 psi) -10 °C to +40 °C (+14 °F to +104 °F)

Compressed air, non-lubricated and lubricated

Protection IP 65 (NEMA 4)
*) Compressed air, lubricated according to IS 8573-1, category 1 **Protection**



Application area

Suitable for all applications. The valve is non-overlapping. Plug-in connections permit easy and fast mounting.

Corrosion resistant, low weight, extremely short response times.

Delivered completely assembled and tested.

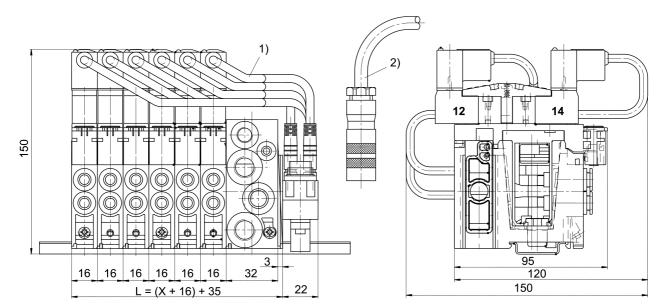
Order via Internet product configurator (www.boschrexroth.com/pneumatics).



Delivery range

- with online-terminal and round plug M16 x 1,5
- max. 10 coils for one terminal
- Electrical connector with LED, protection circuit and protected wiring

Accessories (to be ordered separately)		
Accessory	Part no.	
blind insert	5762015902	
silencer, G 1/4	4381200000	
silencer, G 1/8	4381100000	
DIN rail mounting screws	8912117542	Multiple packaging (50 pcs.)
blind plug Ø 6 mm	2123206000	for closing 2 or 4 (3/2 valve function)
blind plug Ø 8 mm	2123208000	for closing 2 or 4 (3/2 valve function)
name plate no. 1–10	8943056312	multiple packaging (5 pcs.)
name plate no. 11–20	8943056322	multiple packaging (5 pcs.)
Name plate	8991200002	multiple packaging (20 pcs.)
cable with plug form C, LED	8946201652	
blind plug for terminal	0493833405	
multi-pin connector with cable of m length	of 3 0493851705	
multi-pin connector with cable o m length	0493851802	



Cable with electrical connector Form C, LED and 8 mm Snap-in plug 8946201652
 upper plug with cable of 3 m length 0493851705 upper plug with cable of 10 m length 0493851802

5/2, solenoid operated, single solenoid, plug in method



Technical Data

Medium

Type Working pressure range Spool valve 2,5 to 8 bar (36 to 116 psi) (for internal piloting)

-0,9 to 8 bar (-13 to 116 psi)

(for external piloting)

Nominal flow rate Qn at 6 bar (87 psi), Δp = 1 bar (15 psi) Ambient temperature range

750 l/min (0.75 Cv) -10 °C to +40 °C (+14 °F to +104 °F) Compressed air, non-lubricated and lubricated

Weight 0,085 kg (0.187 lbs)

Body Seals POM (Polyoxymethylene) Materials Polyurethan for dynamic sealing Perbunan and Silikon for static sealing

Metal parts Nickel plated steel (except coil contacts/threads)

Operating voltages see table Power consumption see table Insulation class

F to VDE 0580 IP 65 to IEC 529 (DIN VDE 0470)

Protection with el. connector
Duty cycle ED

Duty cycle ED 10076
*) Compressed air, lubricated according to IS 8573-1, category 1

Application area

Suitable for all applications. The valve is non-overlapping. Clip-on connections permit easy and fast mounting.

Corrosion resistant, low weight, extremely short response times.

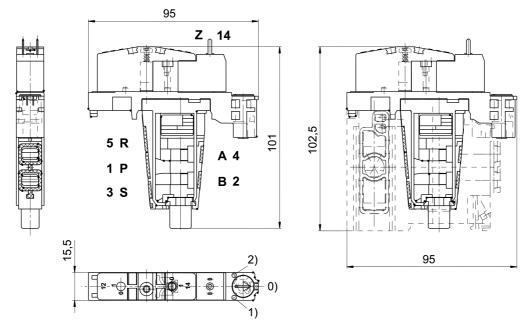


Part no.						
	Voltage and frequency	Power consumption	Response times t _F fill	Response times t _E exhaust	Piloting	Part no.
4 2	24 V DC 230 V AC	2 W 1 VA	11 ms 11 ms	17 ms 17 ms	internal internal	5762010220 5762015280
5 13	110 V AC	1 VA	11 ms	17 ms	internal	5762015270
4 2	24 V DC 230 V AC	2 W 1 VA	11 ms 11 ms	17 ms 17 ms	external external	5762100220 5762105280
14 5 1 1 3	110 V AC	1 VA	11 ms	17 ms	external	5762105270

Accessory	Туре	Part no.
	Connectors	
	According DIN 43560, form C	8941012202
44	With LED and 3 m cable	8941000512
	Entry plate (closed on the right side) Ø 12x1,5	8985003622
	Entry plate (closed on the right side) Ø1/2 inch	8985003762
	Entry plate (open on both sides) Ø 12x1,5	8985003602
	Entry plate (open on both sides) 1/2 inch	8985003782
ΠαΠαΠ	Sandwich plate Ø 8x1	8985003612
ן טטטטט ן	Sandwich plate Ø 6x1	8985003642
	Sandwich plate, 1/4 inch	8985003742
	End plate Ø 8x1	8985003632
	End plate Ø 6x1	8985003652
	End plate, 1/4 inch	8985003752
_	Spare parts (valve)	please use a complete valve
	Spare parts kit (2 valve- and 1 base plate sealing and 20 g grease)	5762010002

5/2 and 5/3 Valves, Series VS15, push-in Ø 6x1, 8x1 or 5/16 and 1/4 inch tubing 5/2, solenoid operated, single solenoid, plug in method





looking system: 0 : to put in the valve 1 : to lock the valve Use screwdriver for locking and unlocking the valve. 2: to remove the valve

5/2, solenoid operated, double solenoid, plup in, clip-on method



Technical Data

Type Spool valve

2 to 8 bar (29 to 116 psi) (for internal piloting) -0,9 to 8 bar (-13 to 116 psi) Working pressure range

(for external piloting)

Nominal flow rate Qn

at 6 bar (87 psi), Δp = 1 bar (15 psi) Ambient temperature range

750 l/min (0.75 Cv) -10 °C to +40 °C (+14 °F to +104 °F) Compressed air, non-lubricated and lubricated Medium

Weight 0,11 kg (0.24 lbs)

POM (Polyoxymethylene) Polyurethane for dynamic sealing Materials Body Seals Perbunan and silicon for static sealing

Metal parts Nickel plated steel (except coil contacts/threads)

Operating voltages see table Power consumption see table Insulation class

F to VDE 0580 IP 65 to IEC 529 (DIN VDE 0470) Protection with el. connector Duty cycle ED

100%

Duty cycle ED 100%
*) Compressed air, lubricated according to IS 8573-1, category 1



Suitable for all applications. The valve is non-overlapping. Plug-in connections permit easy and

fast mounting.

Corrosion resistant, low weight, extremely short response times.

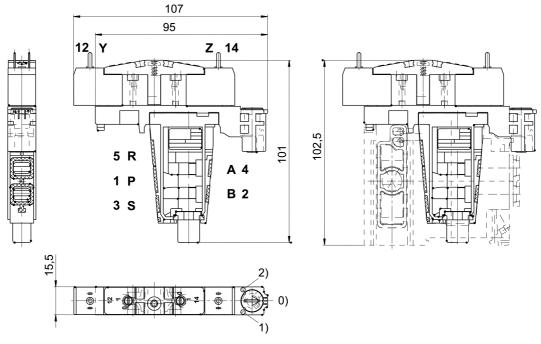
Part no. Power Response times Piloting Voltage and Response times Part no. frequency consumption t_E exhaust t_∈ fill 24 V DC 2 W 11 ms 11 ms internal 5762020220 230 V AC 1 VA 11 ms 11 ms internal 5762025280 5762025270 110 V AC 1 VA 11 ms 11 ms internal 24 V DC 2 W 5762120220 11 ms 11 ms external 230 V AC 1 VA 5762125280 11 ms 11 ms external 110 V AC 1 VA 11 ms 11 ms 5762125270 external

Accessories	(to be ordered separately)	
Accessory	Туре	Part no.
	Connectors According DIN 43560, form C With LED and 3 m cable	8941012202 8941000512
0,00,0	Entry plate (closed on the right side) Ø 12x1,5 Entry plate (closed on the right side) 1/2 inch Entry plate (open on both sides) Ø 12x1,5 Entry plate (open on both sides), 1/2 inch Sandwich plate Ø 8x1 Sandwich plate Ø 6x1 Sandwich plate 1/4 inch End plate Ø 8x1 End plate Ø 6x1 End plate, 1/4 inch	8985003622 8985003762 8985003602 8985003782 8985003612 8985003642 8985003742 8985003632 8985003652 8985003752
A.	Spare parts (valve) Spare parts kit (2 valve- and 1 base plate sealing and 20 g grease)	please use a complete valve 5762010002



5/2 and 5/3 Valves, Series VS15, push-in Ø 6x1, 8x1 or 5/16 and 1/4 inch tubing 5/2, solenoid operated, double solenoid, plup in, clip-on method





0 : to put in the valve 1 : to lock the valve 2: to remove the valve Use screwdriver for locking and unlocking the valve.

5/3, solenoid operated, single solenoid, plug in method



Technical Data

Type Working pressure range Spool valve

3 to 8 bar (44 to 116 psi) (for internal piloting) -0,9 to 8 bar (-13 to 116 psi)

(for external piloting)

Nominal flow rate Qn

at 6 bar (87 psi), $\Delta p = 1$ bar (15 psi) Ambient temperature range

500 l/min (0.5 Cv) -10 °C to +40 °C (+14 °F to +104 °F) Compressed air, non-lubricated and lubricated Medium

Weight 0,125 kg (0.276 lbs)

POM (Polyoxymethylene) Polyurethane for dynamic sealing Perbunan and silicon for static sealing Body Materials Seals

Metal parts Nickel plated steel (except coil contacts/threads)

Operating voltages see table Power consumption see table Insulation class

F to VDE 0580 IP 65 to IEC 529 (DIN VDE 0470)

Protection with el. connector
Duty cycle ED

Duty cycle ED 100%
*) Compressed air, lubricated according to IS 8573-1, category 1

Application area

Suitable for all applications. The valve is non-overlapping. Plug-in connections permit easy and

fast mounting.

Corrosion resistant, low weight, extremely short response times.



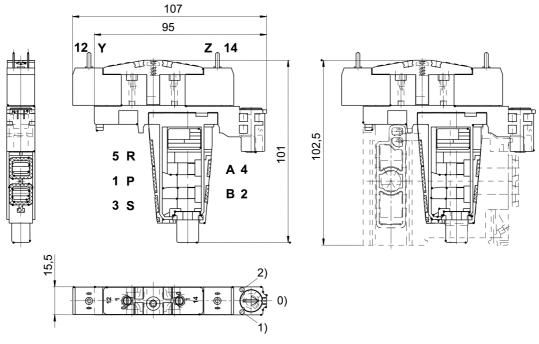
→	Part no.

	Voltage and frequency	Power consumption	Response times t _F fill	Response times t _E exhaust	Piloting	Part no.
	24 V DC	2 W	11 ms	17 ms	internal	5762310220
	230 V AC	1 VA	11 ms	17 ms	internal	5762315280
MMX 11 12 7MM	110 V AC	1 VA	11 ms	17 ms	internal	5762315270
5 113	24 V DC	2 W	11 ms	17 ms	external	5762360220
	230 V AC	1 VA	11 ms	17 ms	external	5762365280
	110 V AC	1 VA	11 ms	17 ms	external	576236527
	24 V DC	2 W	11 ms	17 ms	internal	5762320220
	230 V AC	1 VA	11 ms	17 ms	internal	576232528
MM 11 12 MM	110 V AC	1 VA	11 ms	17 ms	internal	576232527
(751-\ ₁ /- 3	24 V DC	2 W	11 ms	17 ms	external	576237022
	230 V AC	1 VA	11 ms	17 ms	external	576237528
	110 V AC	1 VA	11 ms	17 ms	external	576237527
	24 V DC	2 W	11 ms	17 ms	internal	5762300220
4 0	230 V AC	1 VA	11 ms	17 ms	internal	5762305280
MW 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	110 V AC	1 VA	11 ms	17 ms	internal	576230527
	24 V DC	2 W	11 ms	17 ms	external	5762350220
14151_1113;12	230 V AC	1 VA	11 ms	17 ms	external	5762355280
	110 V AC	1 VA	11 ms	17 ms	external	5762355270

Accessories	Accessories (to be ordered separately)					
Accessory	Туре	Part no.				
	Connectors					
	According DIN 43650, form C	8941012202				
4	With LED and 3 m cable	8941000512				
	Entry plate (closed on the right side) Ø 12x1,5	8985003622				
	Entry plate (closed on the rigth side) 1/2 inch	8985003762				
	Entry plate (open on both sides) Ø 12x1,5	8985003602				
	Entry plate (open on both sides), 1/2 inch	8985003782				
OnOnO	Sandwich plate Ø 8x1	8985003612				
	Sandwich plate Ø 6x1	8985003642				
	Sandwich plate, 1/4 inch	8985003742				
	End plate Ø 8x1	8985003632				
	End plate Ø 6x1	8985003652				
	End plate, 1/4 inch	8985003752				
	Spare parts (valve)	please use a complete valve				
	Spare parts kit (2 valve- and 1 base plate sealing and 0,02 kg (0.04 lbs) grease)	5762010002				

5/2 and 5/3 Valves, Series VS15, push-in Ø 6x1, 8x1 or 5/16 and 1/4 inch tubing 5/3, solenoid operated, single solenoid, plug in method



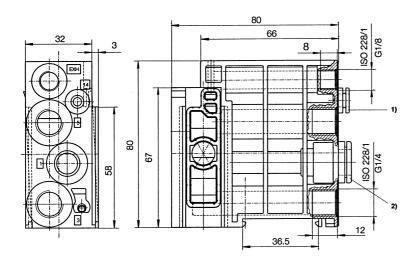


0 : to put in the valve 1 : to lock the valve 2: to remove the valve Use screwdriver for locking and unlocking the valve.

5/2 and 5/3 Valves, Series VS15, push-in Ø 6x1, 8x1 or 5/16 and 1/4 inch tubing Subplates and accessories



Entry plate





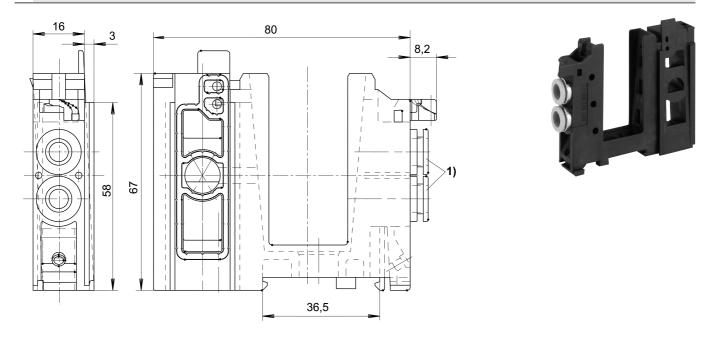
1) Push in fitting for tube Ø 6 x 1 or 1/4 inch (only to use for external pilot air) 2) Push in fitting for tube Ø 12 x 1 or 1/2 inch

Туре	Weight [kg] (lbs)	connections				Part no.
		1	3, 5	12, 14	EXH	
Entry plate (5 - 1 - 3, 14 - EXH plugged)	0,13 (0.29)	12x1,5	G 1/4	Ø 6x1	G 1/8	8985003622
Entry plate open to both sides (5 - 1 - 3, 14 - EXH open)	0,13 (0.29)	12,5x1,5	G 1/4	Ø 6x1	G 1/8	8985003602
Entry plate (USA)	0,13 (0.29)	1/2 inch	G 1/4	1/4 inch	G 1/8	8985003762
Entry plate (USA) open to both sides	0,13 (0.29)	1/2 inch	G 1/4	1/4 inch	G 1/8	8985003782

Material: (body) POM (ports) Brass, nickel plated.



Sandwich plate



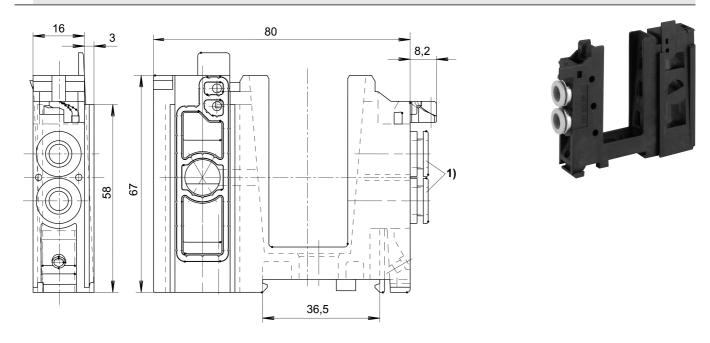
1) Push in fitting for tube Ø 6 x 1 or Ø 8 x 1

Туре	Weight [kg] (lbs)	Part no.
Sandwich plate Ø 8 x1 and 5/16 inch Sandwich plate Ø 6 x1 Sandwich plate 1/4 inch (USA)	0,06 (0.14)	8985003612 8985003642 8985003742

Material: (body) PA/PPO-Blend (ports) Brass, nickel plated.



End plate



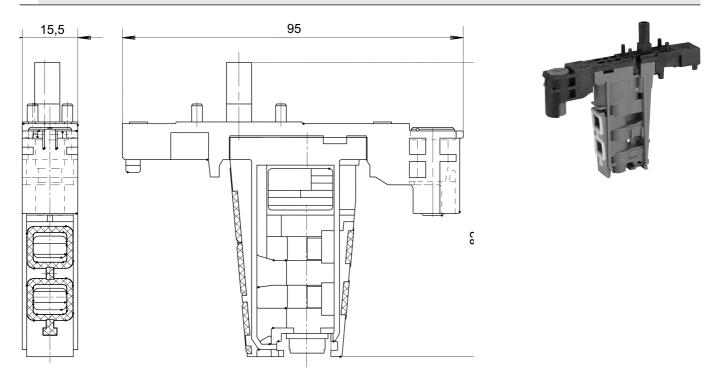
1) Push in fitting for tube Ø 6 x 1, Ø 8 x 1 or 1/4 inch

Туре	Weight [kg] (lbs)	Part no.
End plate Ø 8 x1 and 5/16 inch tubing End plate Ø 6 x1 end plate 1/4 inch (USA)	0,06 (0.13)	8985003632 8985003652 8985003752

Material: (body) PA/PPO-Blend (ports) Brass, nickel plated.



▲ Blind insert



Туре	Weight [kg] (lbs)	Part no.				
Blind insert	0,035 (0.077)	5762015902				
Material: (hody) POM (sealings) Silicon						

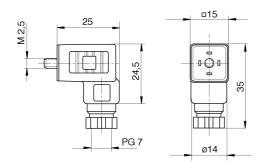
Material: (body) POM (sealings) Silicon For occupying reserve position (retro-fitting)

Connectors



Electrical Connector, Form C

DIN 43 650





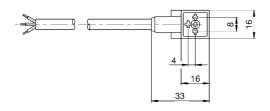
Nominal voltage	Switching current max. [A]	Wire cross- section max.	Cable gland	Weight [kg] (lbs)	Ambient temp. range	Part no.*
250 V AC / 300 V DC	6	0,75 mm ²	M12 x 1 (for 6,5 mm dia.)	0,012 (0.026)	-40 °C to +90 °C (-40 °F to +194 °F)	8941012202

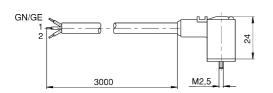
Protection (mounted) IP 65 to DIN VDE 0470
 • Type of connection: Connection block
 • Air and leakage paths to VDE 0110 insulation class C
 • Number of pins 2 + protection contact
 • Body black
 • The connector cable outlet can be turned 4 x 90° on its base
 * Part no. incl seal. and screw

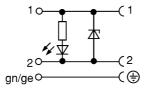


Electrical Connector, Form C, with yellow LED, cable and Z-diode

DIN 43 650









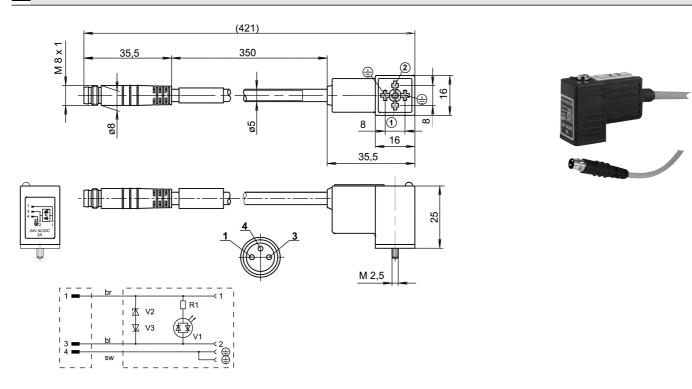
Nominal voltage	Switching current max. [A]	Wire cross- section	Weight [kg] (lbs)	Ambient temp. range	Part no.* 1 Qty. per pack	Part no.* 25 Qty. per pack
24 V AC/DC	4	0,75 mm ²	0,2 (0.44)	-5 °C to +70 °C	8941000512	8941000182
230 V AC		0,75 mm²	0,2 (0.44)	(23 °F to +158 °F) -5 °C to +70 °C (23 °F to +158 °F)	8941001762	-

electrical connectors and upper plugs (prefabricated)



Electrical Connector with prefabricated cable and plug connector Ø 8

for online-terminal



Nominal voltage	Switching current max. [A]	Wire cross- section	Weight [kg] (lbs)	Ambient temp. range	Part no.* 1 Qty. per pack	Part no.* 25 Qty. per pack
24 V AC/DC	2	0,25 mm ²	0,2 (0.44)	-20 °C to +80 °C (-4 °F to +176 °F)	8946201652	-

Protection (mounted) IP 65 to DIN VDE 0470
 Air and leakage paths to VDE 0110 insulation class C
 Number of pins 2 + protection contact
 Body black

Material PVC

^{*} Part no. incl seal. and screw



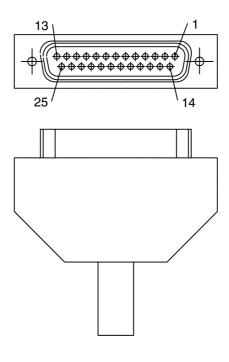
041/00	Protection class	length of cable	notice	Part no.
24 V DC	IP 65 (NEMA 4)	3 m	_	0493859807
24 V DC	IP 65 (NEMA 4)	10 m	_	0493845705
24 V DC	IP 65 (NEMA 4)	10 m	flexible cable	8946203902





Pin allocation SUB-D Connector V15 PLUG IN















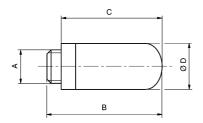


Valve	Pilot	Sub-D	Marking of cable	Signal
V1	14	1	white	24 V
	12	2 3	brown	
V2	14	3	green	24 V
	12	4	yellow	
V3	14	5	grey	24 V
	12	6	pink	
V4	14	7	blue	24 V
	12	8	red	
V5	14	9	black	24 V
	12	10	violet	
V6	14	11	grey/pink	24 V
	12	12	blue/red	
V7	14	13	white/green	24 V
	12	14	brown/green	
V8	14	15	white/yellow	24 V
	12	16	yellow/brown	
V9	14	17	white/grey	24 V
	12	18	grey/brown	
V10	14	19	white/pink	24 V
	12	18	pink/brown	
V11	14	21	white/blue	24 V
	12	22	brown/blue	
V12	14	23	white/red	24 V
	12	24	brown/red	
V1-V12	-	25	white/black	0V

Accessories



Silencer





A *	В	С	D	p max. [bar] (psi)	Sound pressure level to DIN 45 635	Part no.
G 1/4	43	36	15	10 (145)	68	4381200000
G 1/8	35	30	12,5	10 (145)	69	4381100000
Material DE DD Architect to a section of the company of the						

Material: PE, PP porous Ambient temperature range: -25°C to + 60°C (-13 °F to +140 °F) * to ISO 228/1



Nameplates



No.	Order quantity	Part no.
1–10	5-pcs	8943056312
11–20	5-pcs	8943056322

For nameplates screw the mounting 0493832603 on the pilot valve



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