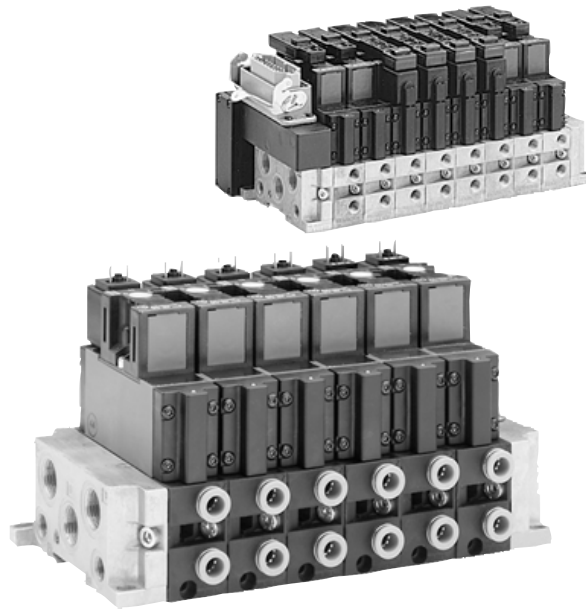


Valve systems ▶ Standardized valve systems






ISO 15407-1, 26 mm, series CD01-PA

Brochure




Valve systems ▶ Standardized valve systems ISO 15407-1, 26 mm, series CD01-PA

Valve systems






	Valve system, Series CD01-PA ▶ ISO 15407-1, 26 mm ▶ Qn Max. = 1010 l/min ▶ Single plug-in wiring ▶ Electr. connection: plug, form C / plug, M12 ▶ ATEX optional	5
	Valve system, Series CD01-PA ▶ ISO 15407-1, 26 mm ▶ Qn Max. = 1010 l/min ▶ Single plug-in wiring ▶ Electr. connection: contact bridge, individual exit and cable duct ▶ ATEX optional	8
	Valve system, Series CD01-PA ▶ ISO 15407-1, 26 mm ▶ Qn Max. = 1010 l/min ▶ Field bus connection with valve system (VDS) ▶ C-design, F-design ▶ ATEX optional	10
	Valve system, Series CD01-PA ▶ ISO 15407-1, 26 mm ▶ Qn Max. = 1010 l/min ▶ Multipole ▶ Electr. connection: HAN multipole plug, 25-pin, top	12
	Valve system, Series CD01-PA ▶ ISO 15407-1, 26 mm ▶ Qn Max. = 1010 l/min ▶ Multipole ▶ Electr. connection: D-Sub plug, 37-pin, top	14

Accessories














Single valves, electrically operated

	ISO 15407-1, Series CD01-PA	on line
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Electrical accessories

	Electrical connector, Series CN1 ▶ 8 mm ▶ ISO 15217 ▶ form C	17
	Connector with cable, Series CN1 ▶ form C ▶ 8 mm	19
	Contact bridge ▶ Control: plug M12 ▶ Plug, M12x1, 4-pin ▶ Number of solenoid coils: 1	21
	Contact bridge ▶ Control: plug M12 ▶ Plug, M12x1, 4-pin ▶ Number of solenoid coils: 2	22
	Contact bridge ▶ Control: Plug-In ▶ ISO 15407-2 ▶ Number of solenoid coils: 1	23

Valve systems ▶ Standardized valve systems
ISO 15407-1, 26 mm, series CD01-PA

	<p>Contact bridge ▶ Control: Plug-In ▶ ISO 15407-2 ▶ Number of solenoid coils: 2</p>	25
Single subbase		
	<p>Single subbase, ports on side ▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ Compressed air connection output: Ø6x1 - Ø 8x1 ▶ Reversed pressure supply permissible ▶ With collective pilot air exhaust</p>	27
	<p>Single subbase, ports on bottom ▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ Compressed air connection output: Ø 8x1 ▶ Reversed pressure supply permissible ▶ With collective pilot air exhaust</p>	28
Subbase, type A		
	<p>Base plate ▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ type A ▶ Compressed air connection output: G 1/4 - Ø 10x1 ▶ Can be assembled into blocks ▶ Single base plate principle ▶ Reversed pressure supply permissible ▶ With collective pilot air exhaust</p>	30
	<p>End plate left, End plate right ▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ type A ▶ Can be assembled into blocks ▶ Base plate principle, multiple ▶ Reversed pressure supply permissible ▶ With collective pilot air exhaust</p>	33
Base and end plates, type B		
	<p>Base plate, ports 2 and 4 on side ▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ type B ▶ Compressed air connection output: Ø 4 - G 1/8 ▶ Can be assembled into blocks ▶ Single base plate principle ▶ Reversed pressure supply permissible</p>	35
	<p>End plate left, End plate right ▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ type B ▶ Can be assembled into blocks ▶ Base plate principle, multiple ▶ Reversed pressure supply permissible ▶ I/O extension possible ▶ With collective pilot air exhaust</p>	37
	<p>Base plate, ports 2 and 4 on bottom ▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ type B ▶ Compressed air connection output: Ø6x1 - G 1/8 ▶ Can be assembled into blocks ▶ Single base plate principle ▶ Reversed pressure supply permissible ▶ With collective pilot air exhaust</p>	38
	<p>Base plate, ports 2 and 4 on side ▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ type B ▶ Compressed air connection output: G 1/4 - 1/4-18 NPTF ▶ Can be assembled into blocks ▶ Base plate principle, multiple ▶ Reversed pressure supply permissible ▶ With collective pilot air exhaust</p>	40
	<p>Base plate, Ports 1, 2 and 4 on bottom ▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ Compressed air connection output: G 1/8 ▶ Can be assembled into blocks ▶ Single base plate principle ▶ Reversed pressure supply permissible ▶ With collective pilot air exhaust</p>	42
Accessories, type A		
	<p>Supply plate, stacked longitudinally ▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ type A ▶ Can be assembled into blocks ▶ Plate principle</p>	44
	<p>Mounting kit for DIN rails DIN ▶ type A ▶ Frame size: 26 mm</p>	45
	<p>Separator ▶ Frame size: 26 mm ▶ for MS01-AL, CD01-PA</p>	45

Valve systems ▶ Standardized valve systems
ISO 15407-1, 26 mm, series CD01-PA

Accessories, type B

	<p>Pressure regulator for horizontal stacking ▶ Qn = 2100 l/min ▶ Base plate connection, push-in fitting ▶ Poppet valve</p>	47
	<p>Subbase ▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ type B ▶ Can be assembled into blocks ▶ Base plate principle, multiple ▶ Reversed pressure supply permissible</p>	48
	<p>Separator ▶ type B ▶ Frame size: 26 mm ▶ for MS01-PA, CD01-PA</p>	49
	<p>Check-choke valve ▶ Qn = 680 - 810 l/min ▶ direction of throttle: 2 → 1</p>	50
Other accessories		
	<p>Pressure regulator for vertical stacking ▶ Qn = 750 l/min ▶ standard: ISO 15407-1 ▶ Controlled port: 3 ▶ Poppet valve</p>	51
	<p>Pressure regulator for vertical stacking ▶ Qn = 750 l/min ▶ Base plate connection ▶ Controlled port: 1 ▶ Poppet valve</p>	53
	<p>Throttle plate ▶ standard: ISO 15407-1 ▶ Frame size: 26 mm</p>	55
	<p>Supply module ▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ Can be assembled into blocks ▶ Single base plate principle ▶ Reversed pressure supply permissible</p>	56
	<p>Supply plate, stacked vertically ▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ Single base plate principle ▶ Reversed pressure supply permissible</p>	58
	<p>Blanking plate ▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ Can be assembled into blocks ▶ Single base plate principle ▶ Reversed pressure supply permissible</p>	59
	<p>Pressure gauge ▶ Front port ▶ Background color: White ▶ Scale color: Black / Red ▶ Units: bar / psi ▶ suitable for ATEX</p>	60
	<p>Accessories, For HF04 series valve system ▶ D-Sub multipole plug and HAN</p>	62

Valve systems ▶ Standardized valve systems

Valve system, Series CD01-PA

▶ ISO 15407-1, 26 mm ▶ Qn Max. = 1010 l/min ▶ Single plug-in wiring ▶ Electr. connection: plug, form C / plug, M12 ▶ ATEX optional



P576_500

Standards	ISO 15407-1, 26 mm
ATEX	II 3G Ex nA IIB T4 Gc X-15 °C ≤ Ta ≤ 50 °C
Working pressure min./max.	-0.95 bar / 16 bar
Control pressure min./max.	2 bar / 16 bar
Ambient temperature min./max.	-15 °C / +50 °C
Medium temperature min./max.	-15 °C / +50 °C
Medium	Compressed air
Max. particle size	50 μm
Oil content of compressed air	0 mg/m ³ - 5 mg/m ³
Connector standard	EN 175301-803, form C
DC operating voltage	24 V
Voltage tolerance DC	-10% / +10%
Operational voltage AC at 50 Hz	230 V, 110 V

An example configuration is illustrated. The delivered product may thus deviate from the illustration.

Technical Remarks

- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.
- See the following pages on the series for technical data on individual components.
- Note: “ATEX” option can be selected in the configurator or contact your nearest AVENTICS sales center.
- Supply plate optionally available with side ports.
- Working pressure and control pressure depend on the valve configuration.

Configurable product

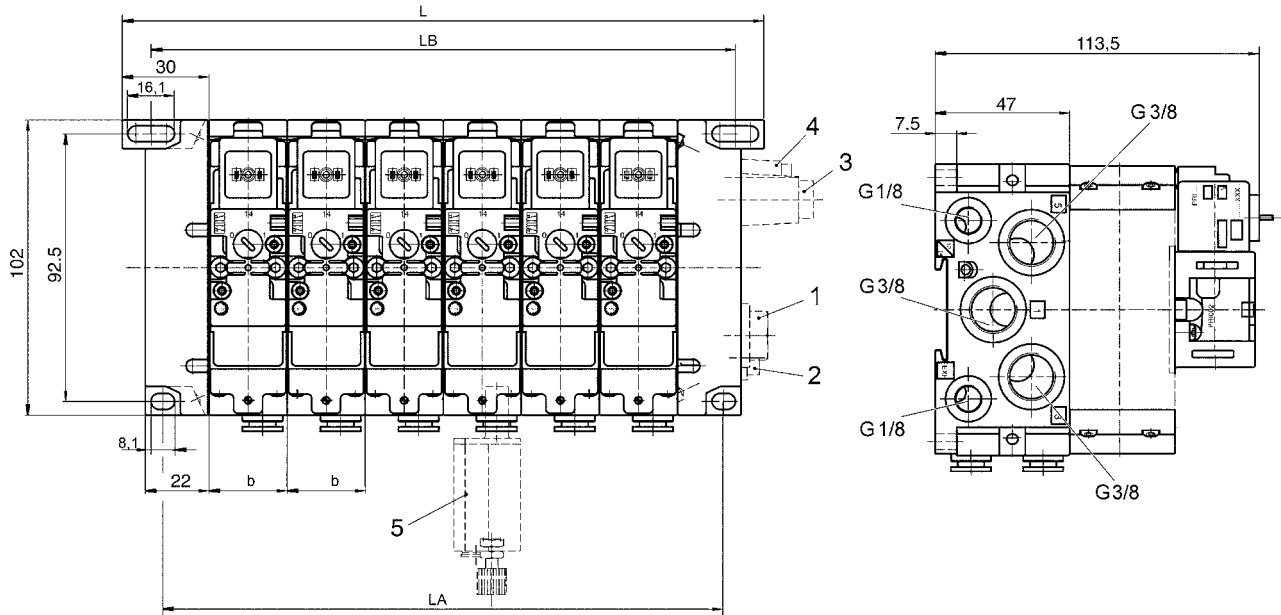


This product is configurable. Please use our Internet configurator at <http://www.aventics.com> or contact the nearest AVENTICS sales office.

Valve system, Series CD01-PA

▶ ISO 15407-1, 26 mm ▶ Qn Max. = 1010 l/min ▶ Single plug-in wiring ▶ Electr. connection: plug, form C / plug, M12 ▶ ATEX optional

Dimensions, Flat pins



1) blanking screw G 3/8 2) blanking screw G 1/8 3) silencer G 3/8 4) silencer G 1/8 5) check-choke valve

$$L = n * b + 94$$

$$LB = n * b + 40$$

$$LA = n * b + 32$$

n = number of valve positions

b = width of valve positions (27.0 - 27.25 mm)

An example configuration is illustrated. The delivered product may thus deviate from the illustration.

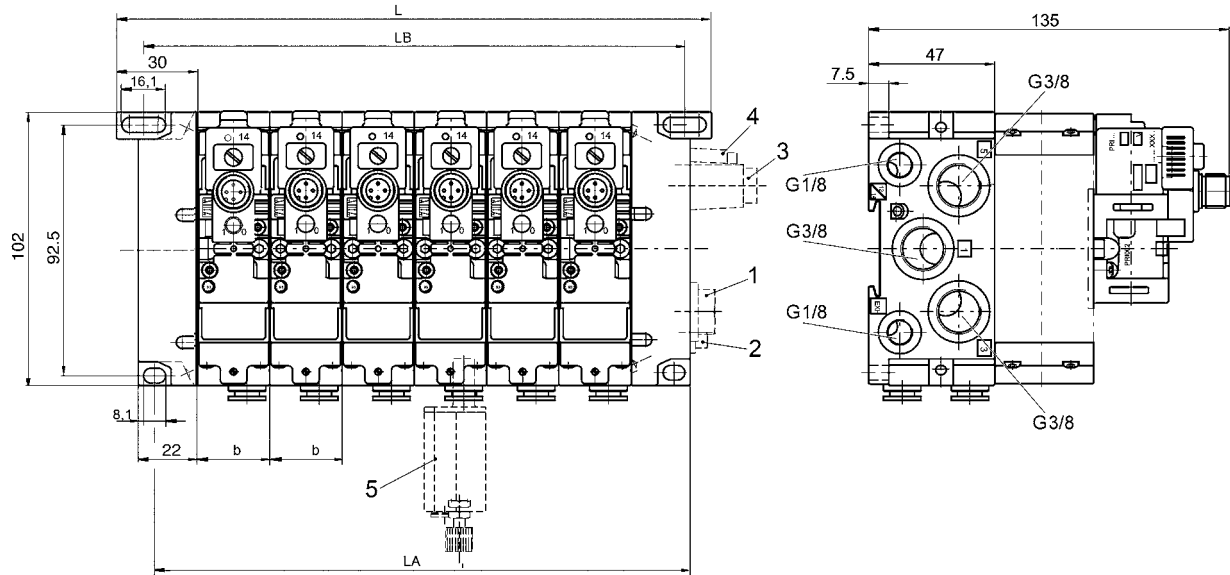
D576_505

Valve systems ▶ Standardized valve systems

Valve system, Series CD01-PA

▶ ISO 15407-1, 26 mm ▶ Qn Max. = 1010 l/min ▶ Single plug-in wiring ▶ Electr. connection: plug, form C / plug, M12 ▶ ATEX optional

Dimensions, M12 plug



1) blanking screw G 3/8 2) blanking screw G 1/8 3) silencer G 3/8 4) silencer G 1/8 5) check-choke valve

$$L = n \cdot b + 94$$

$$LB = n \cdot b + 40$$

$$LA = n \cdot b + 32$$

n = number of valve positions

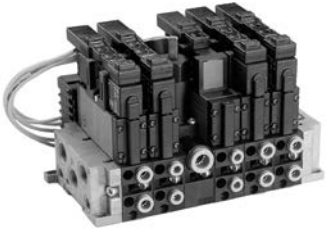
b = width of valve positions (27.0 - 27.25 mm)

An example configuration is illustrated. The delivered product may thus deviate from the illustration.

00121385

Valve system, Series CD01-PA

▶ ISO 15407-1, 26 mm ▶ Qn Max. = 1010 l/min ▶ Single plug-in wiring ▶ Electr. connection: contact bridge, individual exit and cable duct ▶ ATEX optional



P576_350

Standards	ISO 15407-1, 26 mm
ATEX	II 3G Ex nA IIB T4 Gc X-15 °C ≤ Ta ≤ 50 °C
Working pressure min./max.	-0.95 bar / 16 bar
Control pressure min./max.	2 bar / 16 bar
Ambient temperature min./max.	-15 °C / +50 °C
Medium temperature min./max.	-15 °C / +50 °C
Medium	Compressed air
Max. particle size	50 μm
Oil content of compressed air	0 mg/m ³ - 5 mg/m ³
Number of valve positionsmax.	32
Connector standard	EN 175301-803, form C
DC operating voltage	24 V
Voltage tolerance DC	-10% / +10%

An example configuration is illustrated. The delivered product may thus deviate from the illustration.

Technical Remarks

- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.
- See the following pages on the series for technical data on individual components.
- Note: “ATEX” option can be selected in the configurator or contact your nearest AVENTICS sales center.
- Supply plate optionally available with side ports.
- Working pressure and control pressure depend on the valve configuration.

Configurable product



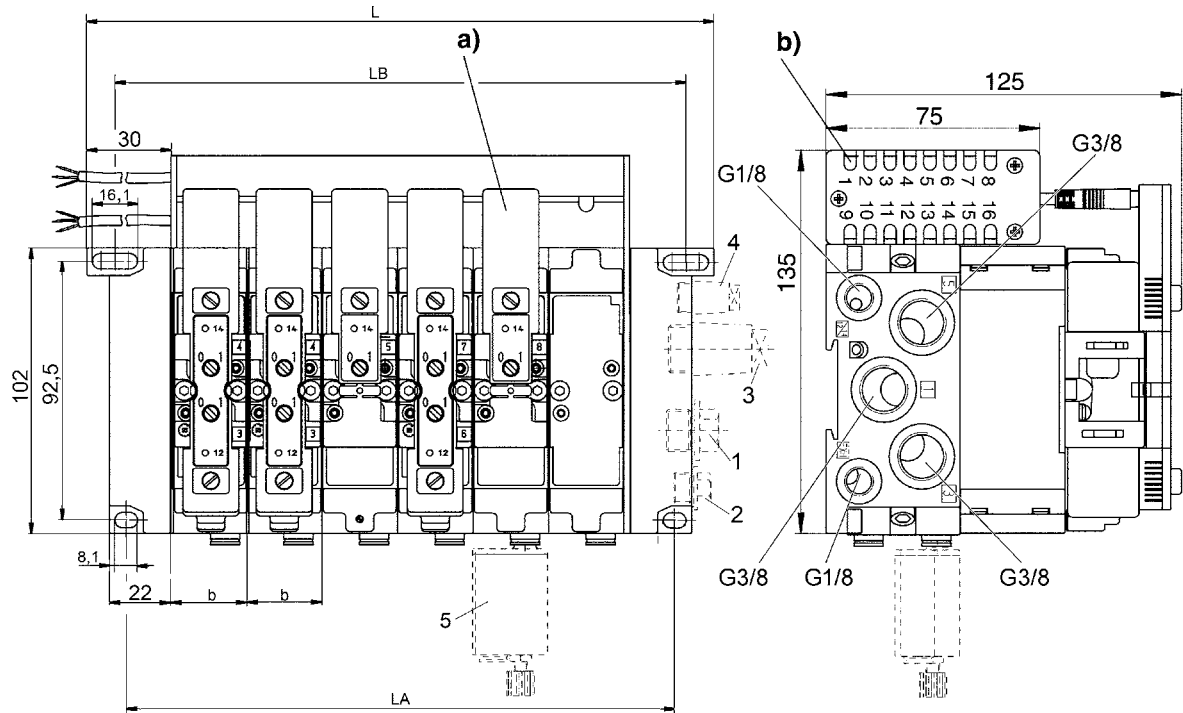
This product is configurable. Please use our Internet configurator at <http://www.aventics.com> or contact the nearest AVENTICS sales office.

Valve systems ▶ Standardized valve systems

Valve system, Series CD01-PA

▶ ISO 15407-1, 26 mm ▶ Qn Max. = 1010 l/min ▶ Single plug-in wiring ▶ Electr. connection: contact bridge, individual exit and cable duct ▶ ATEX optional

Dimensions



D576_350

1) blanking screw G 3/8 2) blanking screw G 1/8 3) silencer G 3/8 4) silencer G 1/8 5) check-choke valve
 a) electrical bridge b) cable outlet on left or right side

$$L = n \cdot b + 94$$

$$LB = n \cdot b + 40$$

$$LA = n \cdot b + 32$$

n = number of valve positions

b = width of valve positions (27.0 - 27.25 mm)

An example configuration is illustrated. The delivered product may thus deviate from the illustration.

Valve system, Series CD01-PA

▶ ISO 15407-1, 26 mm ▶ Qn Max. = 1010 l/min ▶ Field bus connection with valve system (VDS) ▶ C-design, F-design ▶ ATEX optional



P576_503

Standards	ISO 15407-1, 26 mm
ATEX	II 3G Ex nA IIB T4 Gc X-15 °C ≤ Ta ≤ 50 °C
Version	Field bus
Working pressure min./max.	-0.95 bar / 16 bar
Control pressure min./max.	2 bar / 16 bar
Ambient temperature min./max.	-15 °C / +50 °C
Medium temperature min./max.	-15 °C / +50 °C
Medium	Compressed air
Max. particle size	50 μm
Oil content of compressed air	0 mg/m ³ - 5 mg/m ³
Number of valve positions	16
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-10% / +10%
cable connection	0.2 / 1 / 5 m

An example configuration is illustrated. The delivered product may thus deviate from the illustration.

Technical Remarks

- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.
- See the following pages on the series for technical data on individual components.
- The technical data for the electronics (link structures) can be found in the section “Fieldbus Connections”.
- Field bus not included in scope of delivery.
- Note: “ATEX” option can be selected in the configurator or contact your nearest AVENTICS sales center.
- Supply plate optionally available with side ports.
- Working pressure and control pressure depend on the valve configuration.

Configurable product



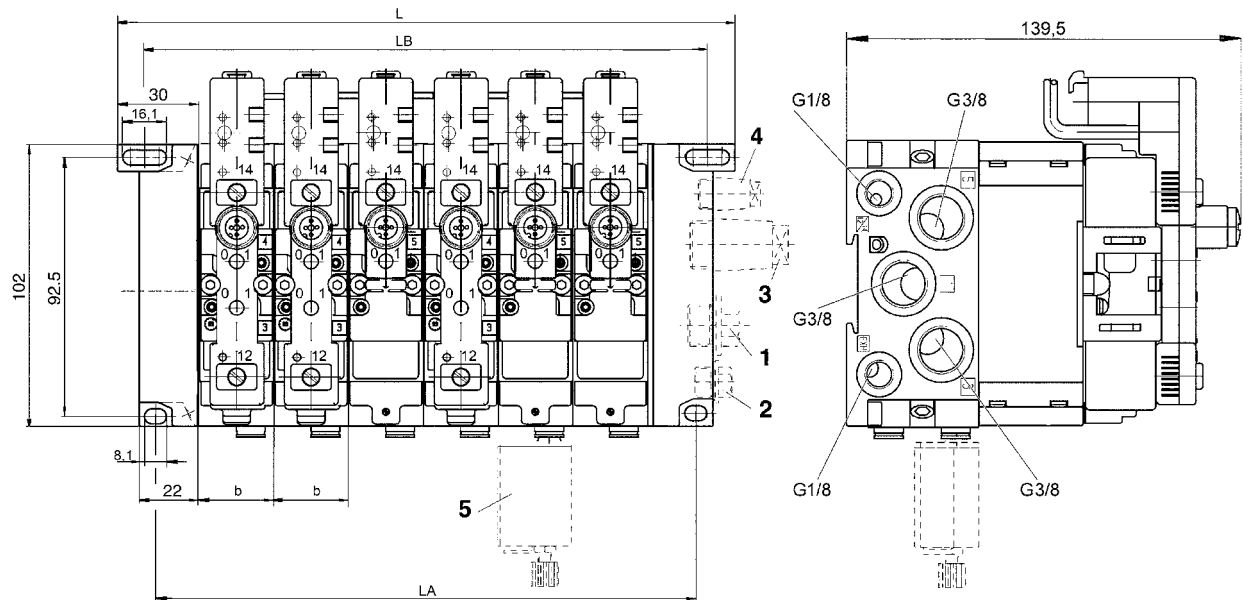
This product is configurable. Please use our Internet configurator at <http://www.aventics.com> or contact the nearest AVENTICS sales office.

Valve systems ▶ Standardized valve systems

Valve system, Series CD01-PA

▶ ISO 15407-1, 26 mm ▶ Qn Max. = 1010 l/min ▶ Field bus connection with valve system (VDS) ▶ C-design, F-design ▶ ATEX optional

Dimensions



1) blanking screw G 3/8 2) blanking screw G 1/8 3) silencer G 3/8 4) silencer G 1/8 5) check-choke valve

$$L = n \cdot b + 94$$

$$LB = n \cdot b + 40$$

$$LA = n \cdot b + 32$$

n = number of valve positions

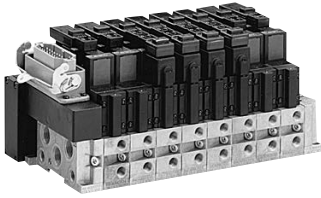
b = width of valve positions (27.0 - 27.25 mm)

An example configuration is illustrated. The delivered product may thus deviate from the illustration.

D810_020

Valve system, Series CD01-PA

▶ ISO 15407-1, 26 mm ▶ Qn Max. = 1010 l/min ▶ Multipole ▶ Electr. connection: HAN multipole plug, 25-pin, top



CD01_20

Standards	ISO 15407-1, 26 mm
Working pressure min./max.	-0.95 bar / 16 bar
Control pressure min./max.	2 bar / 16 bar
Ambient temperature min./max.	-15 °C / +50 °C
Medium temperature min./max.	-15 °C / +50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m³ - 5 mg/m³
Number of valve positionsmax.	12
Connector standard	EN 175301-803, form C
DC operating voltage	24 V
Voltage tolerance DC	-10% / +10%
sensor inputs per contact bridge (optional)	2

An example configuration is illustrated. The delivered product may thus deviate from the illustration.

Technical Remarks

- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.
- See the following pages on the series for technical data on individual components.
- Working pressure and control pressure depend on the valve configuration.

Configurable product



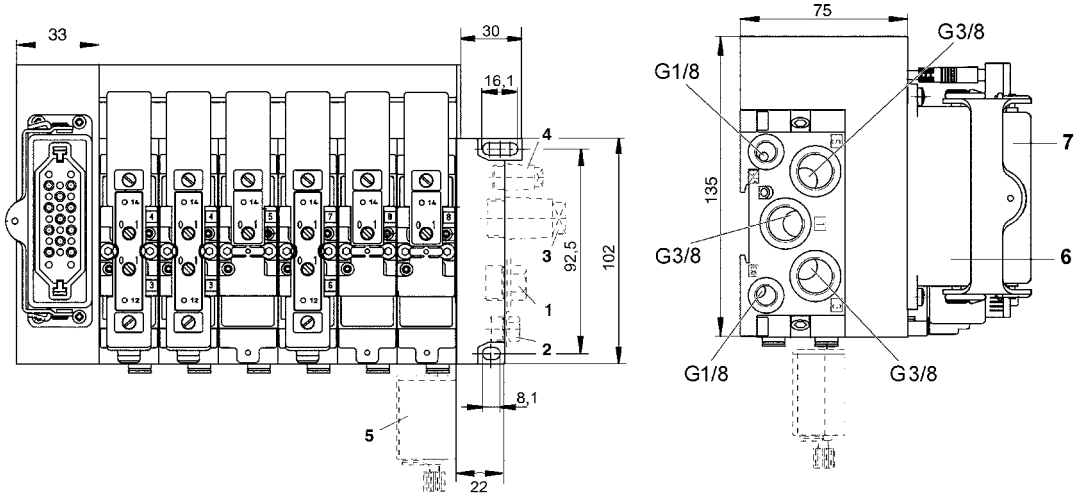
This product is configurable. Please use our Internet configurator at <http://www.aventics.com> or contact the nearest AVENTICS sales office.

Valve systems ▶ Standardized valve systems

Valve system, Series CD01-PA

▶ ISO 15407-1, 26 mm ▶ Qn Max. = 1010 l/min ▶ Multipole ▶ Electr. connection: HAN multipole plug, 25-pin, top

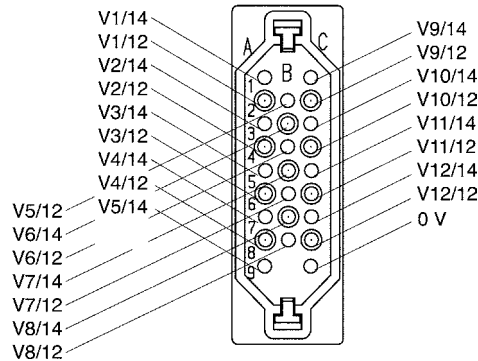
Dimensions



- 1) blanking screw G 3/8 2) blanking screw G 1/8 3) silencer G 3/8 4) silencer G 1/8 5) check-choke valve
 - 6) multiple plug HAN (25 pins according to DIN 43652, lower part)
 - 7) multiple plug HAN (25 pins according to DIN 43652, upper part)
- An example configuration is illustrated. The delivered product may thus deviate from the illustration.

00132533

Plug assignment

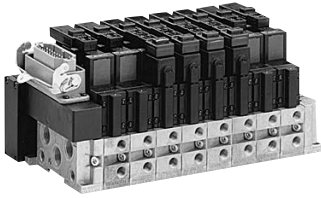


00132531

A contact allocation plan of the multipole plug will be sent together with the valve unit.

Valve system, Series CD01-PA

▶ ISO 15407-1, 26 mm ▶ Qn Max. = 1010 l/min ▶ Multipole ▶ Electr. connection: D-Sub plug, 37-pin, top



CD01_20

Standards	ISO 15407-1, 26 mm
Working pressure min./max.	-0.95 bar / 16 bar
Control pressure min./max.	2 bar / 16 bar
Ambient temperature min./max.	-15 °C / +50 °C
Medium temperature min./max.	-15 °C / +50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m³ - 5 mg/m³
Connector standard	EN 175301-803, form C
DC operating voltage	24 V
Voltage tolerance DC	-10% / +10%
sensor inputs per contact bridge (optional)	2

An example configuration is illustrated. The delivered product may thus deviate from the illustration.

Technical Remarks

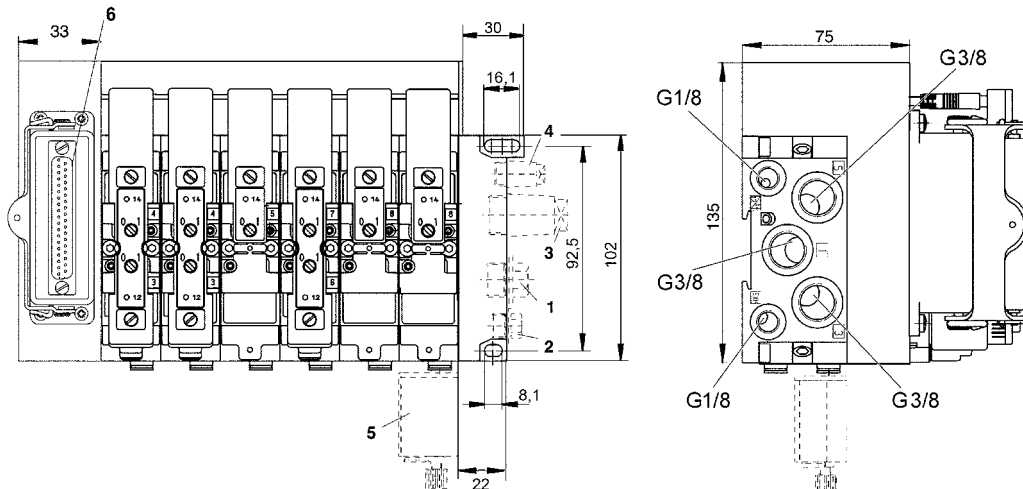
- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.
- See the following pages on the series for technical data on individual components.
- Working pressure and control pressure depend on the valve configuration.

Configurable product



This product is configurable. Please use our Internet configurator at <http://www.aventics.com> or contact the nearest AVENTICS sales office.

Dimensions



00132534

- 1) blanking screw G 3/8 2) blanking screw G 1/8 3) silencer G 3/8 4) silencer G 1/8 5) check-choke valve
6) multipole plug (37 pins according to DIN 41652, lower part)

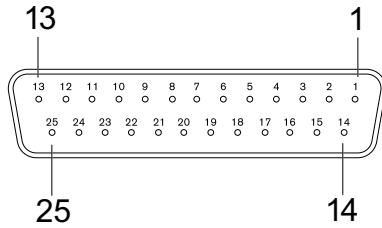
An example configuration is illustrated. The delivered product may thus deviate from the illustration.

Valve systems ▶ Standardized valve systems

Valve system, Series CD01-PA

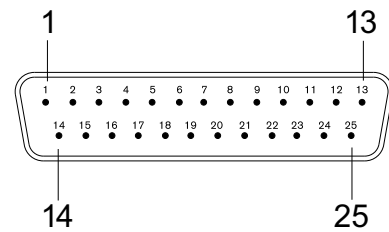
▶ ISO 15407-1, 26 mm ▶ Qn Max. = 1010 l/min ▶ Multipole ▶ Electr. connection: D-Sub plug, 37-pin, top

PIN assignment and cable colors, cable identification as per DIN 47100



00136701

Socket (female)



00137724

Plug (male)

Pin	1	2	3	4	5	6	7	8	9	10	11	12	13
Color	white	brown	green	yellow	gray	pink	blue	red	black	violet	gray/pink	red/blue	white/green

Pin	14	15	16	17	18	19	20	21	22	23	24	25
Color	brown/green	white/yellow	yellow/brown	white/gray	gray/brown	white/pink	pink/brown	white/blue	brown/blue	white/red	brown/red	white/black

Pin	26	27	28	29	30	31	32	33	34	35	36	37
Color	brown/black	gray/green	yellow/gray	pink/green	yellow/pink	green/blue	yellow/blue	green/red	—	—	—	—

Pin	38	39	40	41	42	43	44
Color	—	—	—	—	yellow/red	green/black	yellow/black

ISO 15407-1, Series CD01-PA
Accessories

Valve systems ▶ Standardized valve systems

ISO 15407-1, 26 mm, Series CD01-PA
Accessories

Electrical connector, Series CN1
▶ 8 mm ▶ ISO 15217 ▶ form C



P894_220

Ambient temperature min./max.	-40°C / +90°C
Protection class	IP65
Mounting screw tightening torque	0.4 Nm
Materials:	
Housing	Polyamide

Technical Remarks

- The specified protection class is only valid in assembled and tested state.

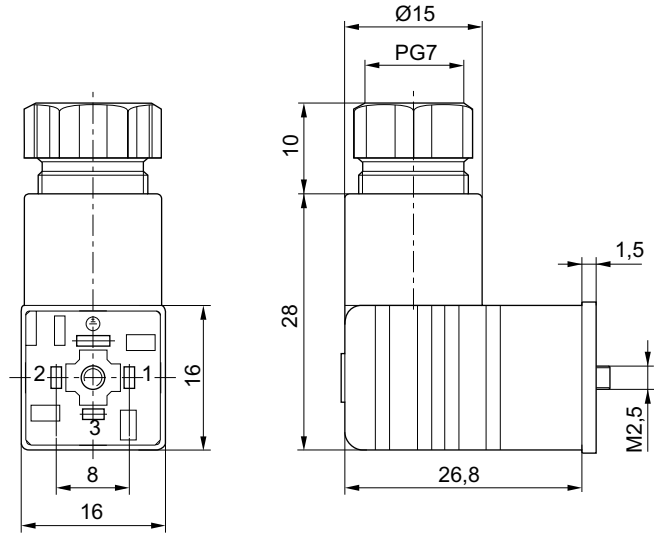
	Cable fitting	Operational voltage	Max. current	Contact assignment	Cable exit	Protective circuit	suitable cable-Ø min./max	Part No.
		AC						
		[V]	[A]				[mm]	
	M12x1,5 PG 7	250	6	2+E	angled 90°	-	4 / 6	1834484187 8941012202
	M12x1,5	24	-	2+E	angled 90°	Z-diode	-	4402050330

Part No.	number of plug options 1	Status display	LED status display	Housing color	Weight	Fig.	Note
					[kg]		
1834484187 8941012202	4 positions each 90°	-	-	Black	0.012	Fig. 1 Fig. 2	1); 2) 1)
4402050330	4 positions each 90°	1 LED	Green	Transparent	0.014	Fig. 3	-

- 1) Profile seal
2) Seal: caoutchouc/butadiene caoutchouc

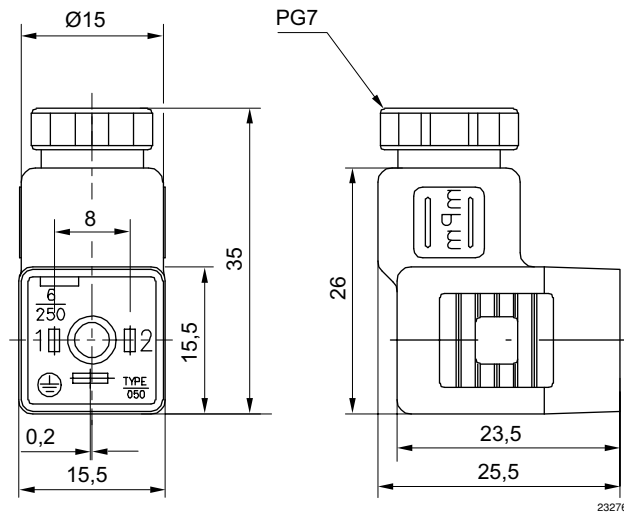
ISO 15407-1, 26 mm, Series CD01-PA Accessories

Fig. 1



00110255

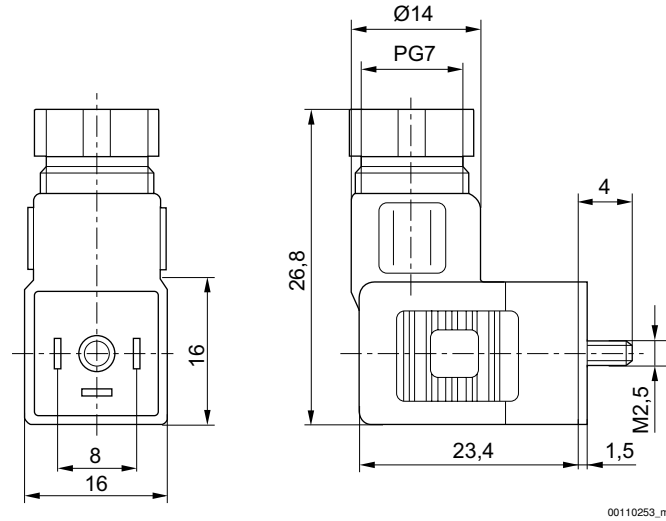
Fig. 2



23276

ISO 15407-1, 26 mm, Series CD01-PA
Accessories

Fig. 3



Connector with cable, Series CN1
▶ form C ▶ 8 mm

Ambient temperature min./max. -20°C / +80°C
 Protection class IP67
 Tightening torque for mounting screws 0.4 Nm

Materials:
 Seals caoutchouc/butadiene caoutchouc



00119140

Technical Remarks

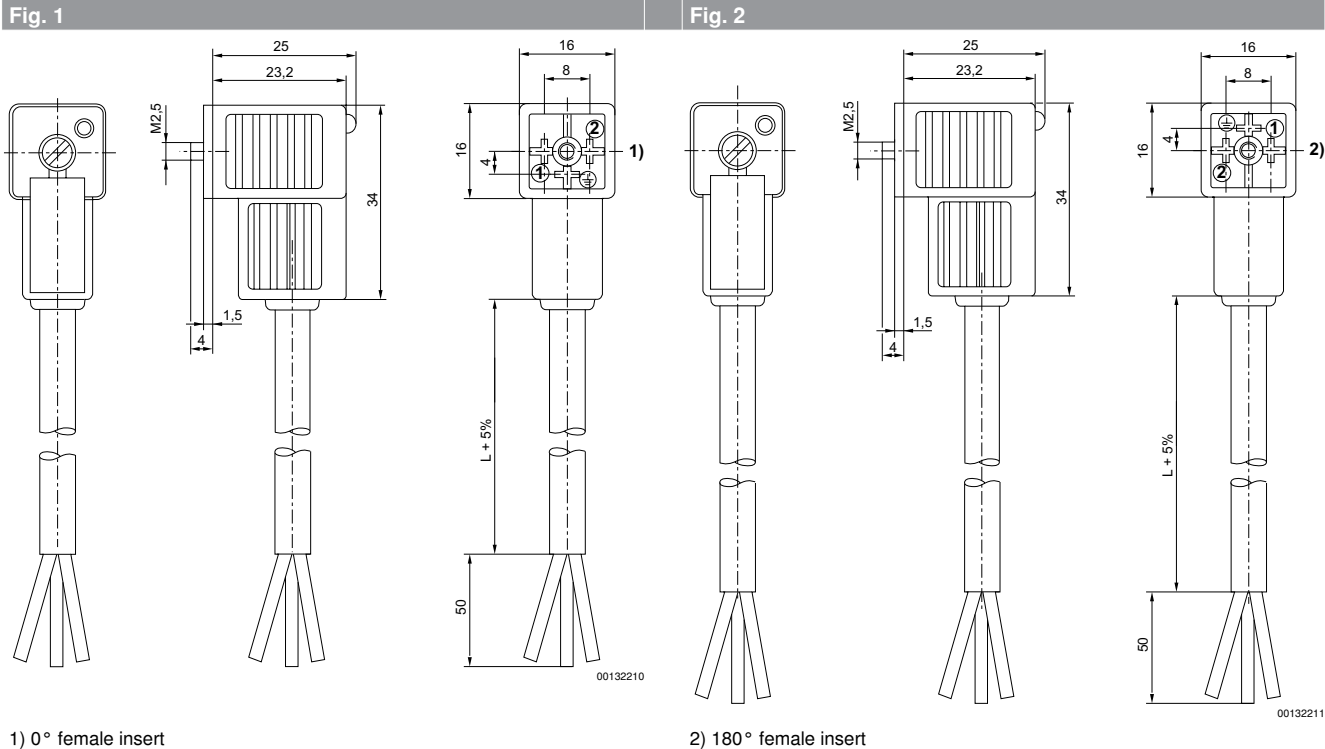
- The specified protection class is only valid in assembled and tested state.

ISO 15407-1, 26 mm, Series CD01-PA

Accessories

	Operational voltage max.	Max. current	Protective circuit	Contact assignment	LED status display	Cable	Weight	Fig.	Note	Part No.
	[V AC]	[A]				[m]	[kg]			
	24	6	Z-diode	2+E	Yellow	3	0.185	Fig. 1	1)	1834484204
						3	0.185	Fig. 2		1834484205
						5	0.292	Fig. 1		1834484206
						5	0.298	Fig. 2		1834484207
	230	6	Varistor	2+E	Yellow	3	0.171	Fig. 1	1)	1834484208
						3	0.194	Fig. 2		1834484209
						5	0.297	Fig. 1		1834484210
						5	0.285	Fig. 2		1834484211
	230	6	-	2+E	-	3	0.183	Fig. 1	-	1834484212
						3	0.183	Fig. 2		1834484213
						5	0.308	Fig. 1		1834484214
						5	0.308	Fig. 2		1834484215

1) Scope of delivery incl. flat gasket



Valve systems ▶ Standardized valve systems

ISO 15407-1, 26 mm, Series CD01-PA Accessories

Contact bridge

▶ Control: plug M12 ▶ Plug, M12x1, 4-pin ▶ Number of solenoid coils: 1



P576_357

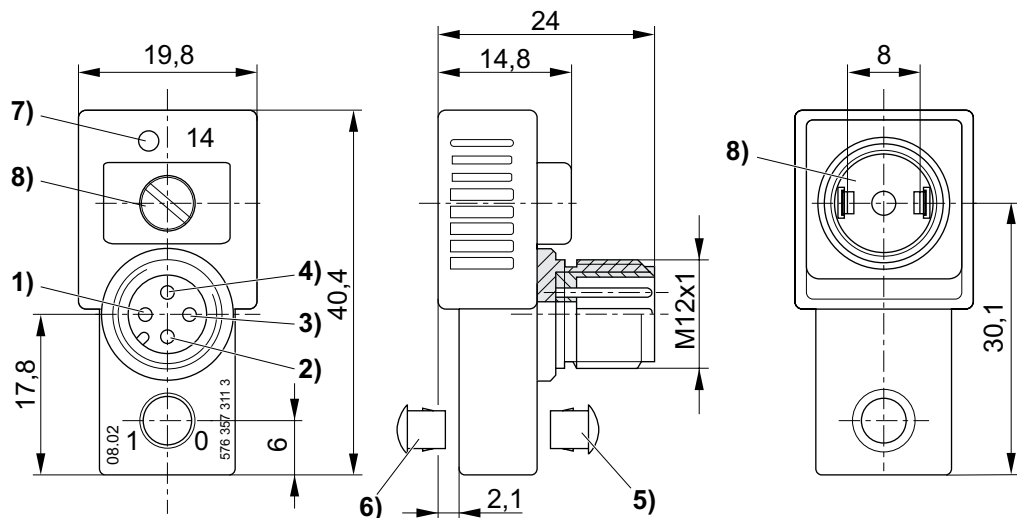
Ambient temperature min./max.	-15°C / +50°C
Protection class	IP65
Protective circuit	43 V bi-directional
DC operating voltage	24 V
Operational voltage AC at 50 Hz	24 V
Operational voltage AC at 60 Hz	24 V
Voltage tolerance DC	-20% / +20%
Voltage tolerance AC 50 Hz	-10% / +10%
Voltage tolerance AC 60 Hz	-10% / +10%
Valve LED status display	Yellow
Mounting screw	M2.5 with slot
Tightening torque for mounting screws [+0,05]	0.25 Nm

Materials:

Housing	Polyester amide
Seals	Fluorocauchoouc

Port	Weight	Part No.
to valve		
	[kg]	
Electrical connector, ISO 15217, form C	0.016	5763573113

Dimensions



D576_357

- 1) not assigned
- 2) not assigned
- 3) ground
- 4) magnet 14
- 5) Sealing cap for manual override not removable
- 6) Removable
- 7) LED valve
- 8) captive seal and screw

ISO 15407-1, 26 mm, Series CD01-PA
Accessories
Contact bridge

▶ Control: plug M12 ▶ Plug, M12x1, 4-pin ▶ Number of solenoid coils: 2



P576_358

Ambient temperature min./max.	-15°C / +50°C
Protection class	IP65
Protective circuit	43 V bi-directional
DC operating voltage	24 V
Operational voltage AC at 50 Hz	24 V
Operational voltage AC at 60 Hz	24 V
Voltage tolerance DC	-20% / +20%
Voltage tolerance AC 50 Hz	-10% / +10%
Voltage tolerance AC 60 Hz	-10% / +10%
Valve LED status display	Yellow
Mounting screw	M2.5 with slot
Tightening torque for mounting screws [+0,05]	0.25 Nm

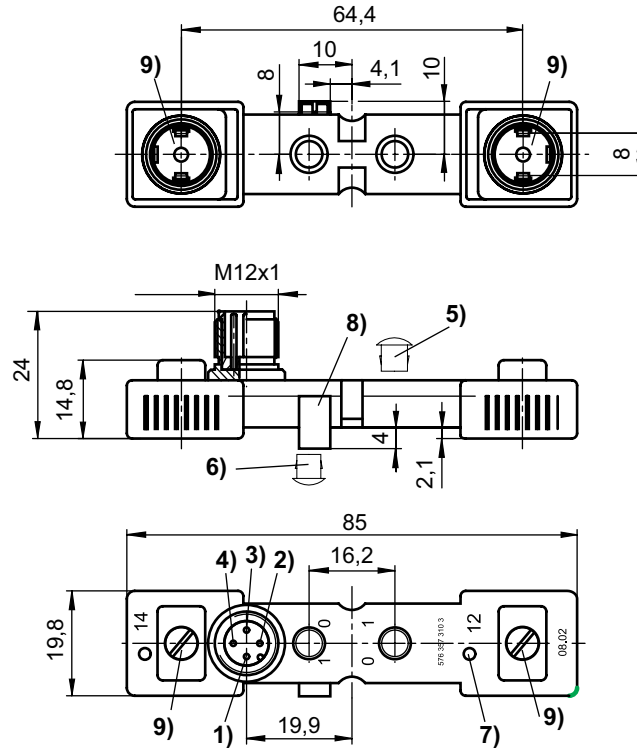
Materials:

Housing	Polyester amide
Seals	Fluorocautchouc

Port	Weight	Part No.
to valve		
	[kg]	
Electrical connector, ISO 15217, form C	0.026	5763573103

ISO 15407-1, 26 mm, Series CD01-PA
Accessories

Dimensions



D576_356

- 1) not assigned 2) solenoid 12 3) ground 4) solenoid 14
- 5) Sealing cap for manual override not removable
- 6) Removable
- 7) LED valve
- 8) positioning pin
- 9) captive seal and screw

Contact bridge

▶ Control: Plug-In ▶ ISO 15407-2 ▶ Number of solenoid coils: 1

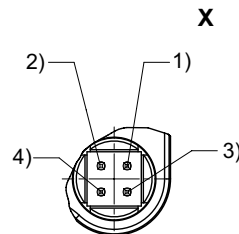
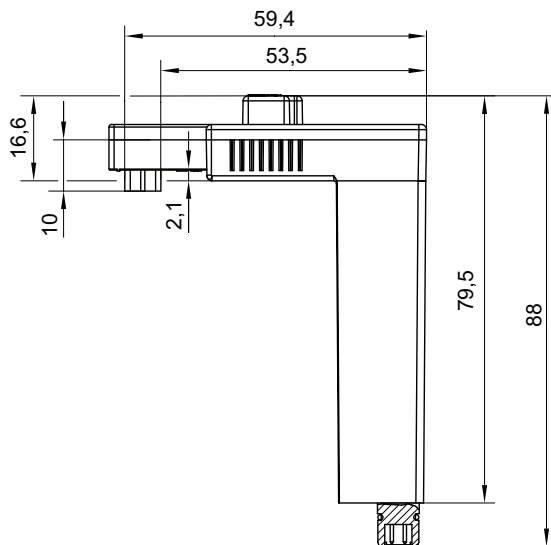
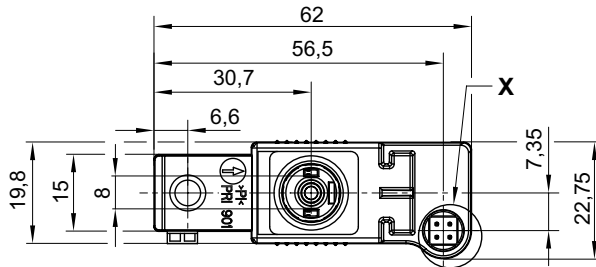


9845

Ambient temperature min./max.	-15°C / +50°C
Protection class	IP65
Protective circuit	200 V bi-directional
Valve LED status display	Yellow
Mounting screw	M2.5 with slot
Tightening torque for mounting screws [+0,05]	0.25 Nm
Materials:	
Housing	Polyester amide
Seals	Fluorocaoutchouc

ISO 15407-1, 26 mm, Series CD01-PA
Accessories

Operating voltage	Voltage tolerance DC	Weight	Part No.
DC			
[V]		[kg]	
24 V	-10% / +10%	0.02	R412005847

Dimensions


00131786

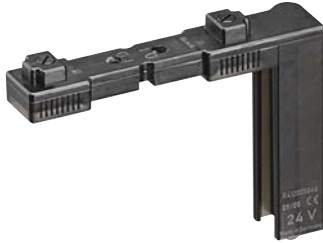
Pin assignment: 1) Solenoid 14 2) Solenoid 12 3) Ground 4) 0 V

Valve systems ▶ Standardized valve systems

ISO 15407-1, 26 mm, Series CD01-PA
Accessories

Contact bridge

▶ Control: Plug-In ▶ ISO 15407-2 ▶ Number of solenoid coils: 2

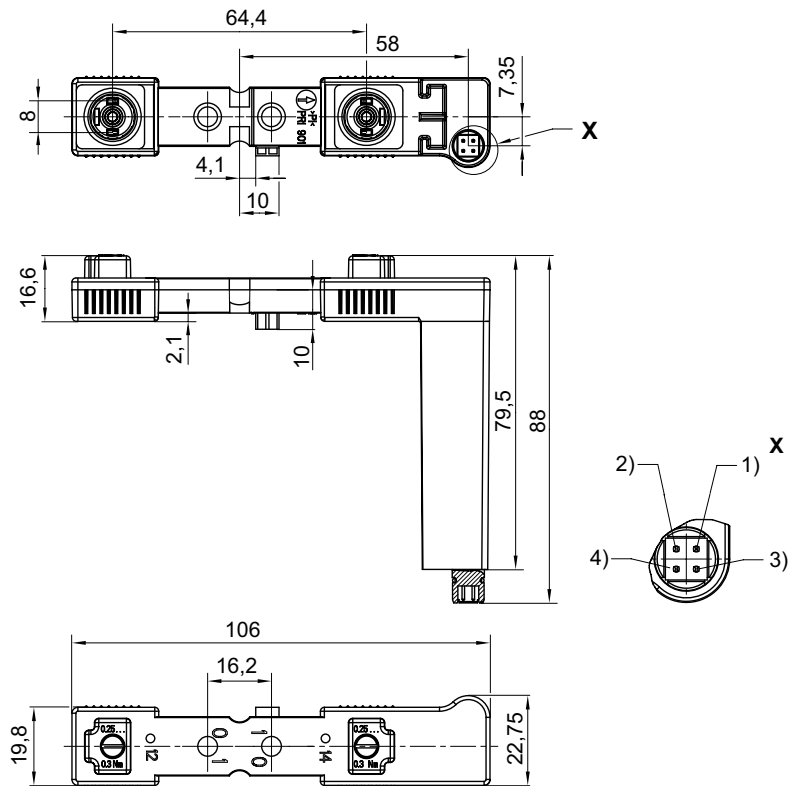


9846

Ambient temperature min./max.	-15°C / +50°C
Protection class	IP65
Protective circuit	43 V bi-directional
Valve LED status display	Yellow
Mounting screw	M2.5 with slot
Tightening torque for mounting screws [+0,05]	0.25 Nm

Materials:	
Housing	Polyester amide
Seals	Fluorocautchouc

Operating voltage	Voltage tolerance DC	Weight	Part No.
DC			
[V]		[kg]	
24 V	-10% / +10%	0.03	R412005846

ISO 15407-1, 26 mm, Series CD01-PA
Accessories
Dimensions


00131785

Pin assignment:
 Pin 1: solenoid 14
 Pin 2: solenoid 12
 Pin 3: ground
 Pin 4: 0 V

Valve systems ▶ Standardized valve systems

ISO 15407-1, 26 mm, Series CD01-PA Accessories

Single subbase, ports on side

▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ Compressed air connection output: Ø6x1 - Ø 8x1 ▶ Reversed pressure supply permissible ▶ With collective pilot air exhaust



1006-031

Standards	ISO 15407-1, 26 mm
Ambient temperature min./max.	-25 °C / +70 °C
Medium temperature min./max.	-25 °C / +70 °C
Medium	Compressed air
Working pressure min./max.	-0.95 bar / 16 bar
Number of valve positions	1
Direction of pneumatic port (1)	On the side
Direction of pneumatic port (3,5)	On the side
Direction of pneumatic port (2,4)	On the side
Direction of pneumatic port (12)	On the side
Direction of pneumatic port (14)	On the side
Exhaust (3,5)	With directional exhaust (3/5) Ports separated
Compressed air connection	According to ISO 15407-1
Materials:	
Base plate	Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

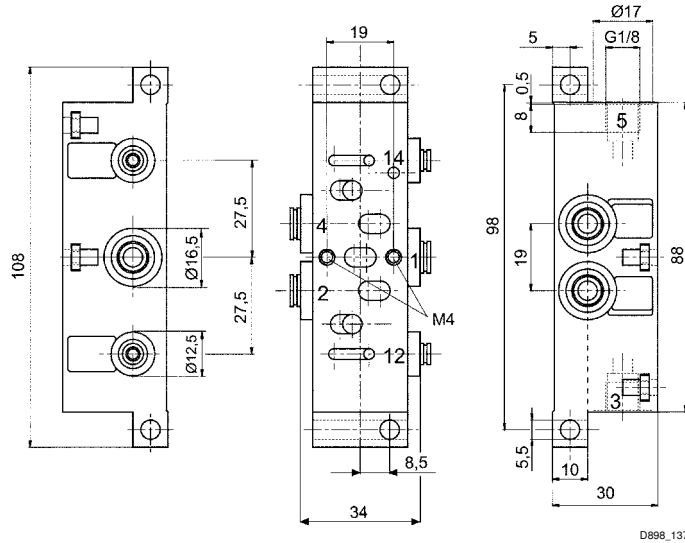
Technical Remarks

- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.

Frame size	Compressed air connection					Weight	Part No.
	Input	Output	Exhaust	Pilot control exhaust	Pilot connection		
	[1]	[2 / 4]	[3 / 5]	[12]	[14]	[kg]	
26 mm	Ø6x1 Ø 8x1	Ø6x1 Ø 8x1	G 1/8	Ø 4	Ø 4	0.074	8985121372 8985121382

ISO 15407-1, 26 mm, Series CD01-PA Accessories

Dimensions



Single subbase, ports on bottom

► standard: ISO 15407-1 ► Frame size: 26 mm ► Compressed air connection output: Ø 8x1 ► Reversed pressure supply permissible ► With collective pilot air exhaust



1006-041

Standards	ISO 15407-1, 26 mm
Ambient temperature min./max.	-25°C / +70°C
Medium temperature min./max.	-25°C / +70°C
Medium	Compressed air
Working pressure min./max.	-0.95 bar / 16 bar
Number of valve positions	1
Direction of pneumatic port (1)	Down
Direction of pneumatic port (3,5)	On the side
Direction of pneumatic port (2,4)	Down
Direction of pneumatic port (12)	Down
Direction of pneumatic port (14)	Down
Exhaust (3,5)	With directional exhaust (3/5)
	Ports separated
Compressed air connection	According to ISO 15407-1
Materials:	
Base plate	Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Technical Remarks

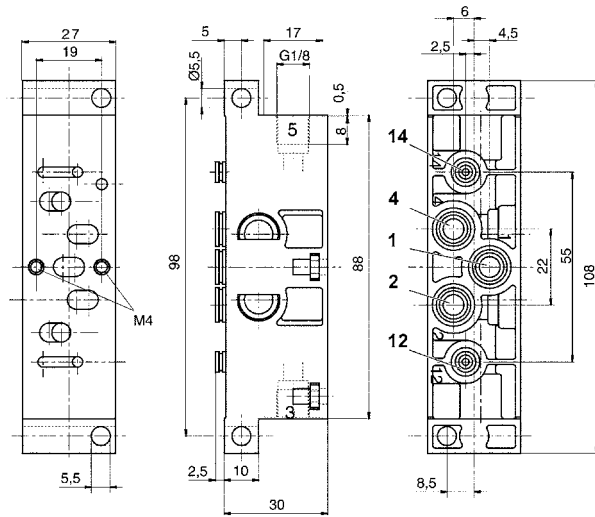
- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.

Valve systems ▶ Standardized valve systems

ISO 15407-1, 26 mm, Series CD01-PA
Accessories

Frame size	Compressed air connection					Weight	Part No.
	Input	Output	Exhaust	Pilot control exhaust	Pilot connection		
	[1]	[2 / 4]	[3 / 5]	[12]	[14]	[kg]	
26 mm	Ø 8x1	Ø 8x1	G 1/8	Ø 4	Ø 4	0.074	8985121392

Dimensions



D898_139

ISO 15407-1, 26 mm, Series CD01-PA Accessories

Base plate

- ▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ type A ▶ Compressed air connection output: G 1/4 - Ø 10x1
- ▶ Can be assembled into blocks ▶ Single base plate principle ▶ Reversed pressure supply permissible ▶ With collective pilot air exhaust



00103902

Standards	ISO 15407-1, 26 mm
Ambient temperature min./max.	-15°C / +70°C
Medium temperature min./max.	-15°C / +70°C
Medium	Compressed air
Working pressure min./max.	-0.95 bar / 16 bar
Number of valve positions	1
Grid dimension	27.1 mm
Mounting screw	with hexagon socket
Tightening torque for mounting screws	4 Nm±0,5
Exhaust (3,5)	With directional exhaust (3/5) Ports separated
Compressed air connection	According to ISO 15407-1
Materials:	
Base plate	Die-cast aluminum
Seals	Acrylonitrile butadiene rubber

Technical Remarks

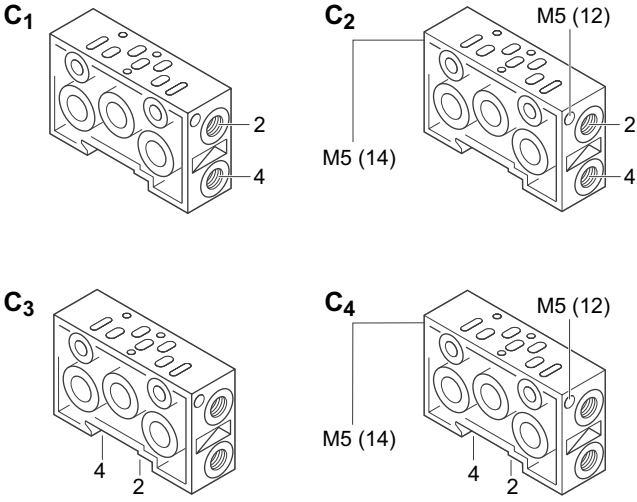
- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.

Type	Frame size	Compressed air connection			Connection direction	Weight	Part No.
		Output	Pilot control exhaust	Pilot connection			
		[2 / 4]	[12]	[14]	[2 / 4]	[kg]	
C1	26 mm	G 1/4 Ø 10x1	-	-	On the side	0.195	1825504023 1825504025
C2	26 mm	G 1/4 Ø 10x1	M5	M5	On the side	0.195	1825504026 1825504028
C3	26 mm	G 1/4	-	-	Down	0.195	1825504029
C4	26 mm	G 1/4	M5	M5	Down	0.195	1825504030

Scope of delivery incl. seal and mounting screws

ISO 15407-1, 26 mm, Series CD01-PA
Accessories

Overview drawing

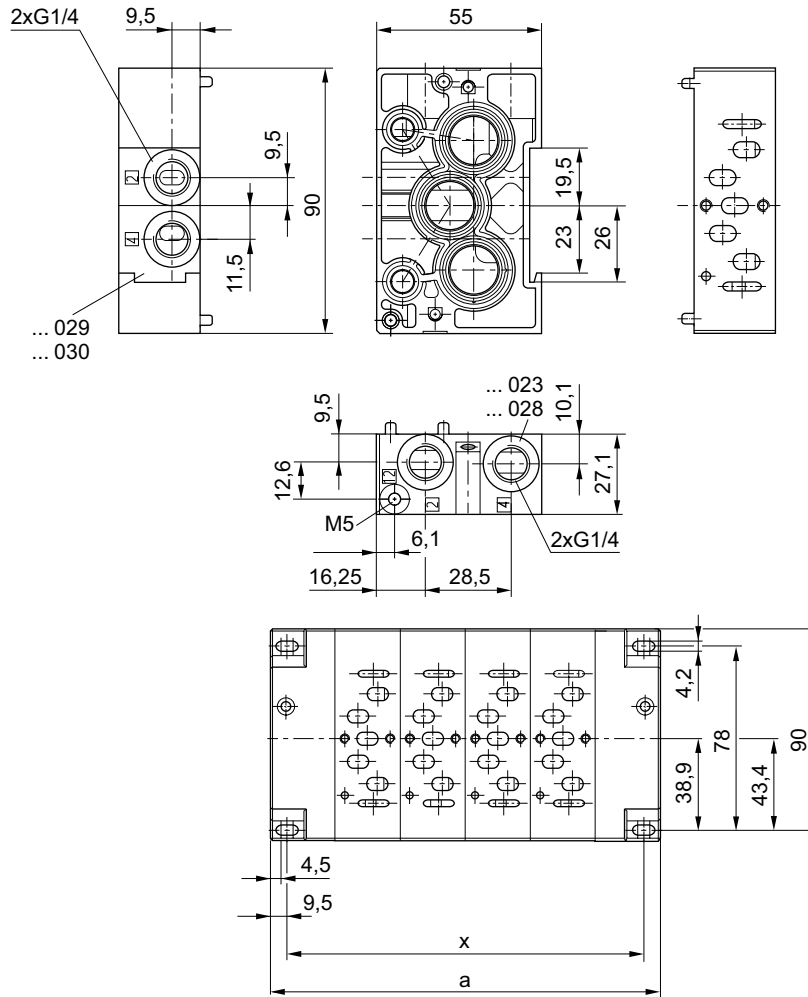


23509

ISO 15407-1, 26 mm, Series CD01-PA

Accessories

Dimensions



00106792_a

Valve systems ▶ Standardized valve systems

ISO 15407-1, 26 mm, Series CD01-PA Accessories

End plate left, End plate right

▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ type A ▶ Can be assembled into blocks ▶ Base plate principle, multiple ▶ Reversed pressure supply permissible ▶ With collective pilot air exhaust



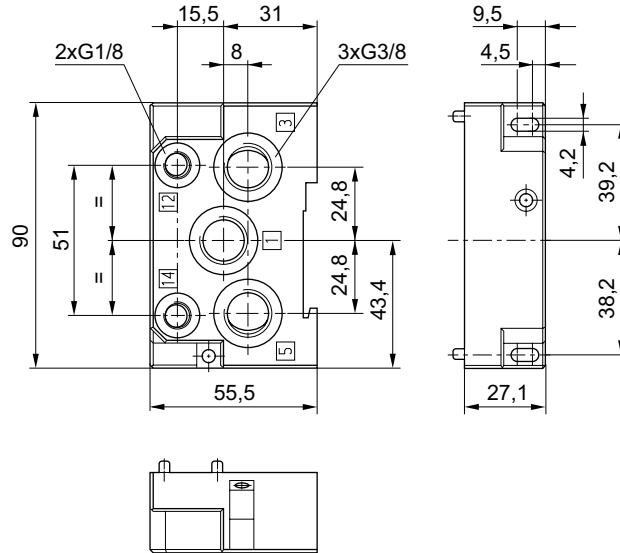
Standards	ISO 15407-1, 26 mm
Ambient temperature min./max.	-15°C / +70°C
Medium temperature min./max.	-15°C / +70°C
Medium	Compressed air
Working pressure min./max.	-0.95 bar / 16 bar
Grid dimension	27.1 mm
Mounting screw	with hexagon socket
Tightening torque for mounting screws	4 Nm±0,5
Direction of pneumatic port (1)	On the side
Direction of pneumatic port (3,5)	On the side
Direction of pneumatic port (12)	On the side
Direction of pneumatic port (14)	On the side
Exhaust (3,5)	With directional exhaust (3/5) Ports separated
Materials:	
Base plate	Die-cast aluminum
Seals	Acrylonitrile butadiene rubber

Technical Remarks

- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.

Frame size	Compressed air connection				Part No.
	Input	Exhaust	Pilot control exhaust	Pilot connection	
	[1]	[3 / 5]	[12]	[14]	
26 mm	G 3/8	G 3/8	G 1/8	G 1/8	1825504031

Scope of delivery: end plate kit incl. seal and mounting screws

ISO 15407-1, 26 mm, Series CD01-PA
Accessories
Dimensions


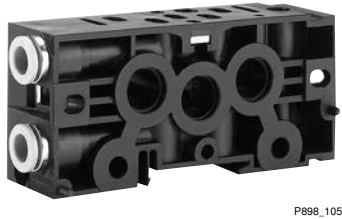
00106792_c

Valve systems ▶ Standardized valve systems

ISO 15407-1, 26 mm, Series CD01-PA
Accessories

Base plate, ports 2 and 4 on side

▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ type B ▶ Compressed air connection output: Ø 4 - G 1/8 ▶ Can be assembled into blocks ▶ Single base plate principle ▶ Reversed pressure supply permissible



Standards	ISO 15407-1, 26 mm
Ambient temperature min./max.	-25°C / +70°C
Medium temperature min./max.	-25°C / +70°C
Medium	Compressed air
Working pressure min./max.	-0.95 bar / 16 bar
Number of valve positions	1
Grid dimension	27 mm
Mounting screw	with hexagon socket
Tightening torque for mounting screws	4 Nm±0,5
Direction of pneumatic port (3,5)	On the side
Direction of pneumatic port (2,4)	On the side
Exhaust (3,5)	With directional exhaust (3/5) Ports separated
Compressed air connection	According to ISO 15407-1
Materials:	
Base plate	Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

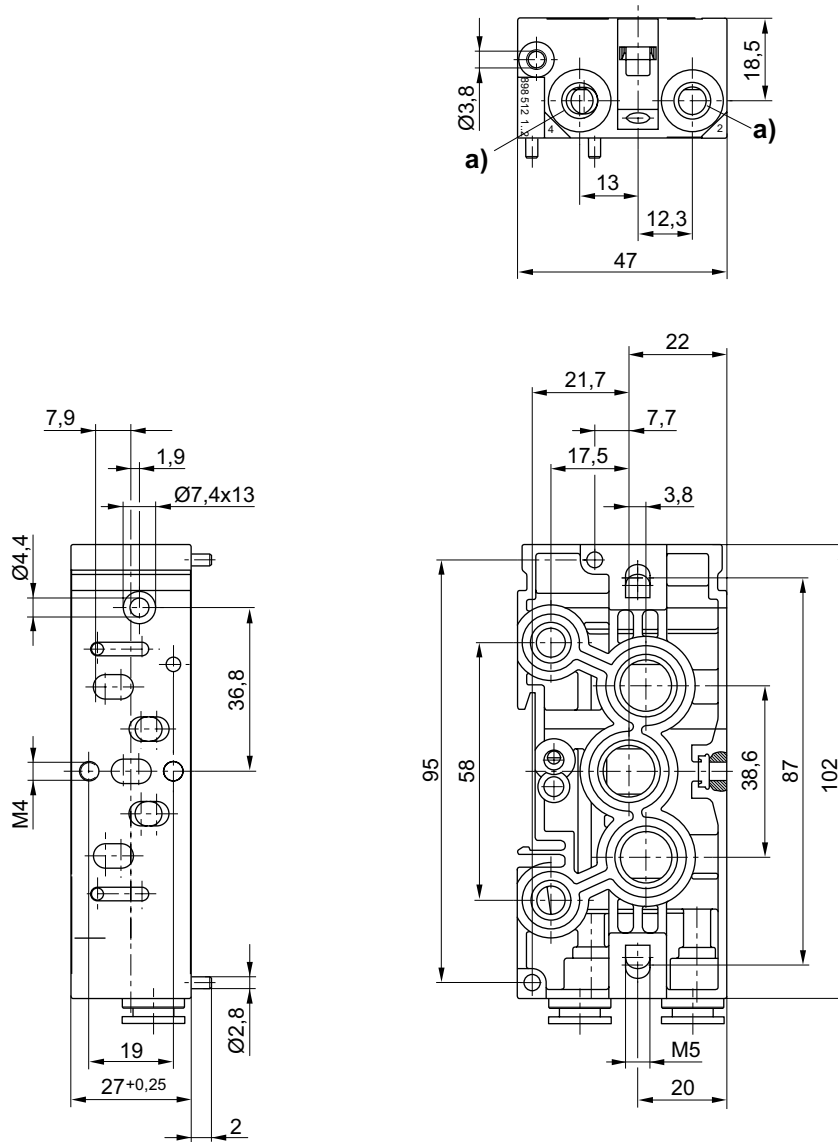
Technical Remarks

- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.

Frame size	Compressed air connection	Weight	Part No.
	Output		
	[2 / 4]	[kg]	
26 mm	Ø 4	-	8985121162
	Ø6x1	0.13	8985121122
	Ø 8x1	-	8985121052
	G 1/8	-	8985121092

Scope of delivery incl. seal and mounting screws

ISO 15407-1, 26 mm, Series CD01-PA
 Accessories

Dimensions


a) push-in fitting or thread connection

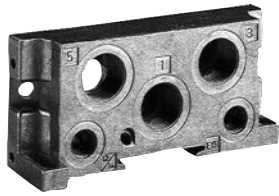
D898_105

Valve systems ▶ Standardized valve systems

ISO 15407-1, 26 mm, Series CD01-PA
Accessories

End plate left, End plate right

▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ type B ▶ Can be assembled into blocks ▶ Base plate principle, multiple ▶ Reversed pressure supply permissible ▶ I/O extension possible ▶ With collective pilot air exhaust



8985-121

Standards	ISO 15407-1, 26 mm
Ambient temperature min./max.	-25°C / +70°C
Medium temperature min./max.	-25°C / +70°C
Medium	Compressed air
Working pressure min./max.	-0.95 bar / 16 bar
Grid dimension	22 mm
Mounting screw	with hexagon socket
Tightening torque for mounting screws	4 Nm±0,5
Direction of pneumatic port (1)	On the side
Direction of pneumatic port (3,5)	On the side
Direction of pneumatic port (R)	On the side
Direction of pneumatic port (X)	On the side
Exhaust (3,5)	With directional exhaust (3/5) Ports separated
Materials:	
Base plate	Die-cast aluminum

Technical Remarks

- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.
- I/O functionality by combining with contact bridge kit for additional inputs/outputs

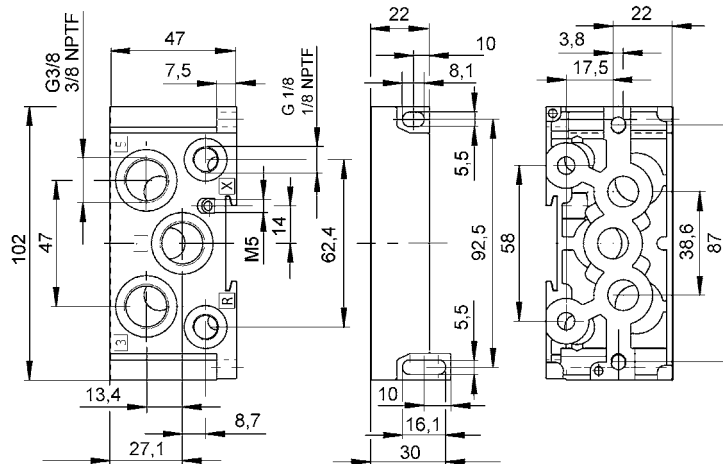
Frame size	Compressed air connection		Pilot control exhaust	Pilot connection	Weight	Note	Part No.
	Input	Exhaust					
	[1]	[3 / 5]	[R]	[X]	[kg]		
26 mm	G 3/8	G 3/8	G 1/8	G 1/8	0.147	1)	8985121002
					0.15	2)	8985121012

1) End plate left
2) End plate right

ISO 15407-1, 26 mm, Series CD01-PA

Accessories

Dimensions



00133703

Base plate, ports 2 and 4 on bottom

- ▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ type B ▶ Compressed air connection output: Ø6x1 - G 1/8
- ▶ Can be assembled into blocks ▶ Single base plate principle ▶ Reversed pressure supply permissible ▶ With collective pilot air exhaust



P898_106

Standards	ISO 15407-1, 26 mm
Ambient temperature min./max.	-25 °C / +70 °C
Medium temperature min./max.	-25 °C / +70 °C
Medium	Compressed air
Working pressure min./max.	-0.95 bar / 16 bar
Number of valve positions	1
Grid dimension	27 mm
Mounting screw	with hexagon socket
Tightening torque for mounting screws	4 Nm±0,5
Direction of pneumatic port (2,4)	Down
Exhaust (3,5)	With directional exhaust (3/5)
	Ports separated
Compressed air connection	According to ISO 15407-1
Materials:	
Base plate	Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Technical Remarks

- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.

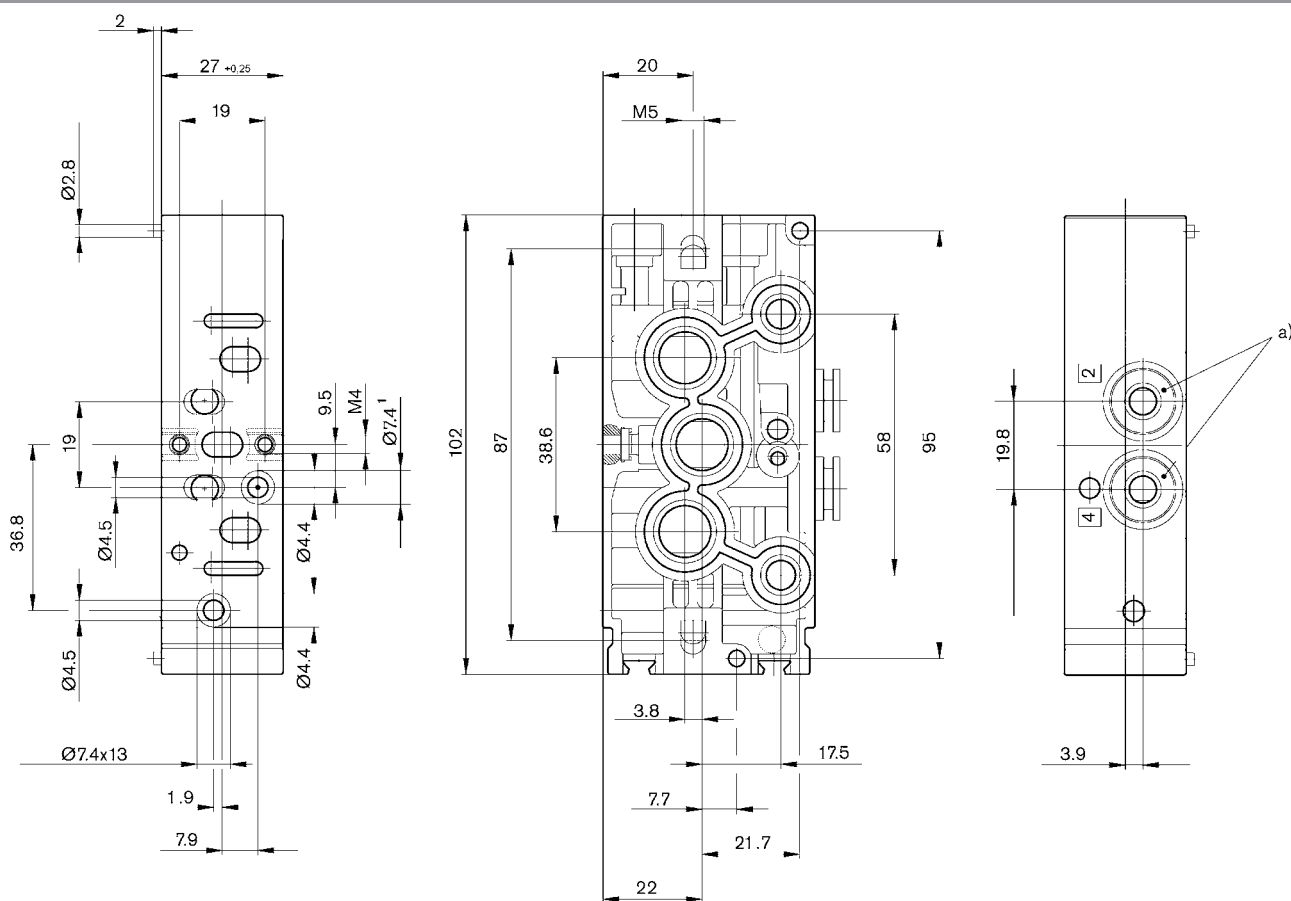
Valve systems ▶ Standardized valve systems

ISO 15407-1, 26 mm, Series CD01-PA Accessories

Frame size	Compressed air connection	Part No.
	Output [2 / 4]	
26 mm	Ø6x1	8985121102
	Ø8x1	8985121032
	G 1/8	8985121072

Scope of delivery incl. seal and mounting screws

Dimensions



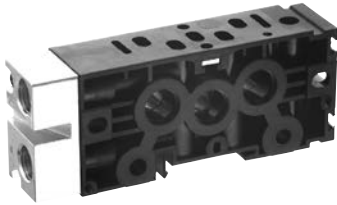
a) push-in fitting or thread connection

D898_103

ISO 15407-1, 26 mm, Series CD01-PA Accessories

Base plate, ports 2 and 4 on side

- ▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ type B ▶ Compressed air connection output: G 1/4 - 1/4-18 NPTF
- ▶ Can be assembled into blocks ▶ Base plate principle, multiple ▶ Reversed pressure supply permissible ▶ With collective pilot air exhaust



00128926

Standards	ISO 15407-1, 26 mm
Ambient temperature min./max.	-25 °C / +70 °C
Medium temperature min./max.	-25 °C / +70 °C
Medium	Compressed air
Working pressure min./max.	-0.95 bar / 16 bar
Number of valve positions	1
Grid dimension	27 mm
Mounting screw	with hexagon socket
Tightening torque for mounting screws	4 Nm±0,5
Direction of pneumatic port (2,4)	On the side
Exhaust (3,5)	With directional exhaust (3/5) Ports separated
Compressed air connection	According to ISO 15407-1
Materials:	
Base plate	Aluminum; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

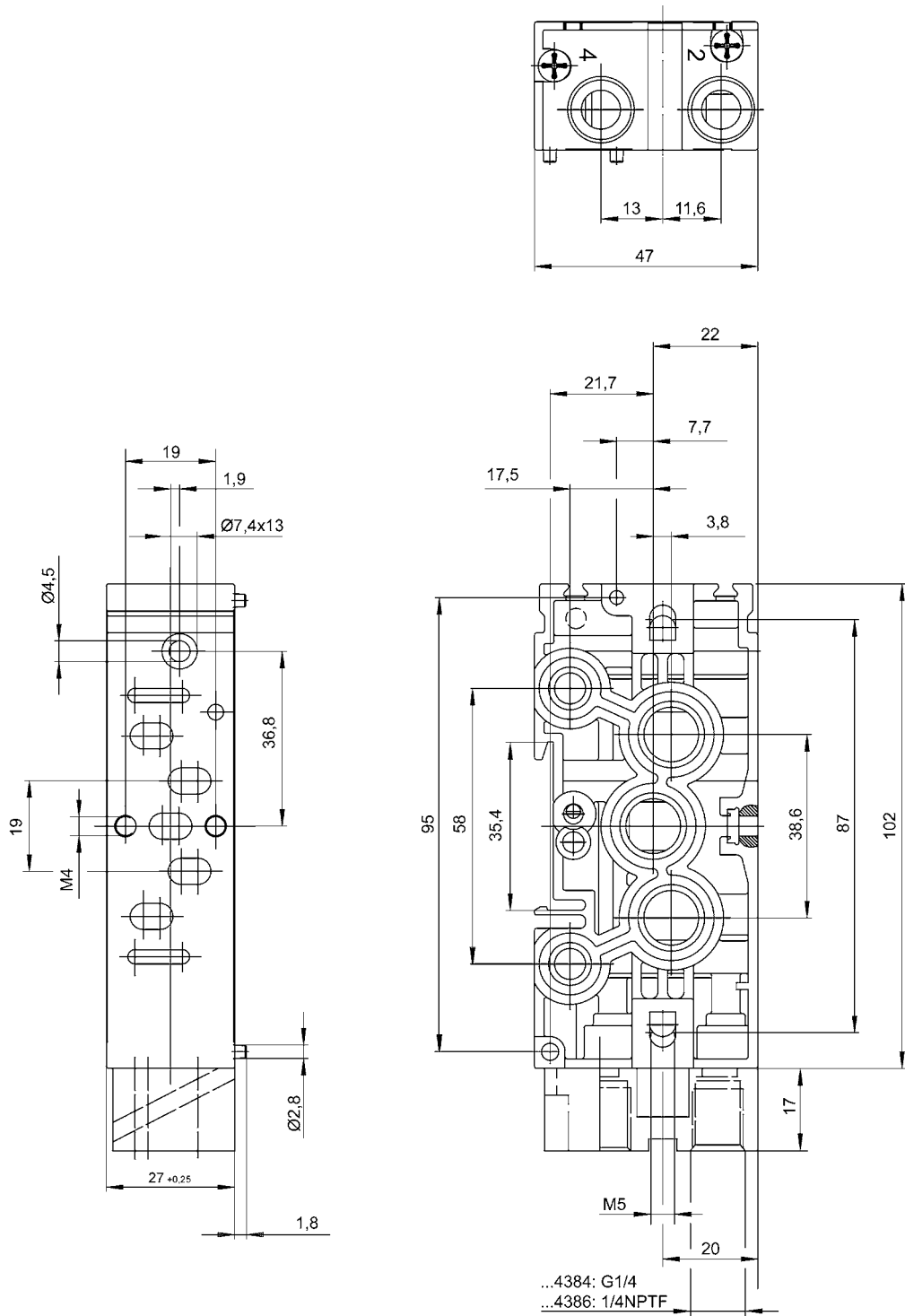
Technical Remarks

- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.

Frame size	Compressed air connection	Weight	Part No.
	Output		
	[2 / 4]	[kg]	
26 mm	G 1/4 1/4-18 NPTF	0.165	R412004384 R412004386
Scope of delivery incl. seal and mounting screws			

ISO 15407-1, 26 mm, Series CD01-PA Accessories

Dimensions

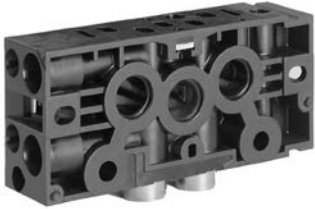


00128888

ISO 15407-1, 26 mm, Series CD01-PA Accessories

Base plate, Ports 1, 2 and 4 on bottom

▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ Compressed air connection output: G 1/8 ▶ Can be assembled into blocks ▶ Single base plate principle ▶ Reversed pressure supply permissible ▶ With collective pilot air exhaust



P898_102

Standards	ISO 15407-1, 26 mm
Ambient temperature min./max.	-25 °C / +70 °C
Medium temperature min./max.	-25 °C / +70 °C
Medium	Compressed air
Working pressure min./max.	-0.95 bar / 16 bar
Number of valve positions	1
Grid dimension	27 mm
Mounting screw	with hexagon socket
Tightening torque for mounting screws	4 Nm±0,5
Direction of pneumatic port (1)	Down
Direction of pneumatic port (2,4)	Down
Exhaust (3,5)	With directional exhaust (3/5) Ports separated
Compressed air connection	According to ISO 15407-1
Materials:	
Base plate	Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Technical Remarks

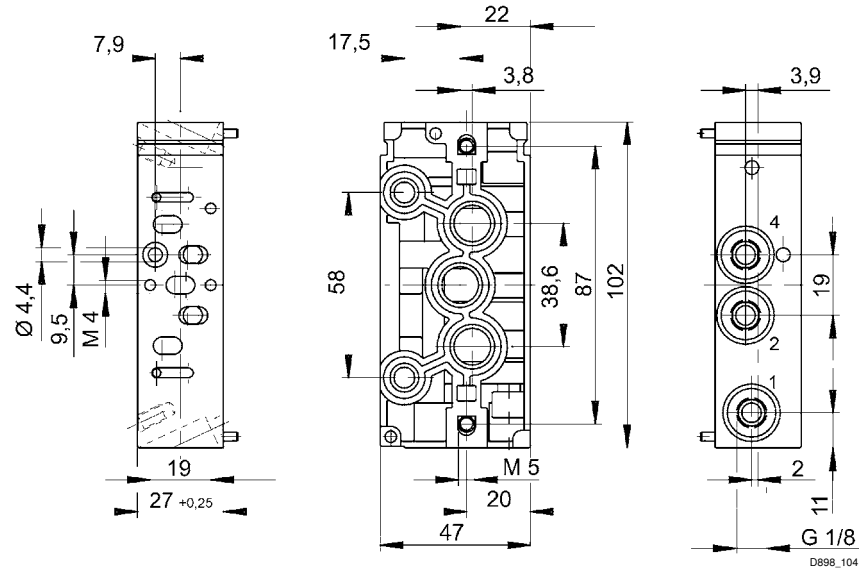
- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.

Frame size	Compressed air connection		Part No.
	Input	Output	
	[1]	[2 / 4]	
26 mm	G 1/8	G 1/8	8985121082

additional compressed air supply at compressed air connection input (1)
Scope of delivery incl. seal and mounting screws

ISO 15407-1, 26 mm, Series CD01-PA
Accessories

Dimensions



ISO 15407-1, 26 mm, Series CD01-PA
 Accessories

Supply plate, stacked longitudinally

▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ type A ▶ Can be assembled into blocks ▶ Plate principle



00103901

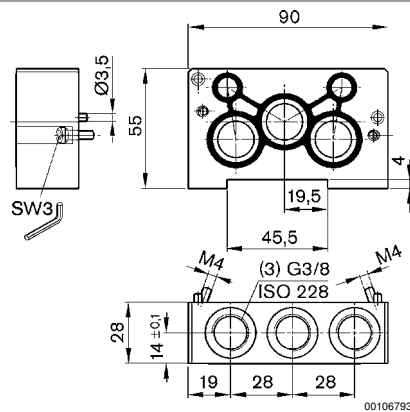
Standards	ISO 15407-1, 26 mm
Ambient temperature min./max.	-15°C / +70°C
Medium temperature min./max.	-15°C / +70°C
Medium	Compressed air
Working pressure min./max.	-0.95 bar / 16 bar
Grid dimension	28 mm
Mounting screw	with hexagon socket
Direction of pneumatic port (1)	Up
Direction of pneumatic port (3,5)	Up
Materials:	
Base plate	Aluminum
Seals	Acrylonitrile butadiene rubber

Technical Remarks

- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.

Frame size	Compressed air connection		Weight	Part No.
	Input	Exhaust		
	[1]	[3 / 5]	[kg]	
26 mm	G 3/8	G 3/8	0.268	1825504034

Scope of delivery incl. seal and mounting screws

Dimensions


Valve systems ▶ Standardized valve systems

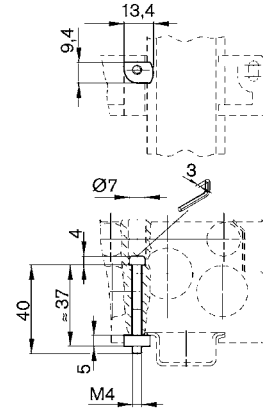
ISO 15407-1, 26 mm, Series CD01-PA
Accessories

Mounting kit for DIN rails DIN

▶ type A ▶ Frame size:26 mm



00106828



00106797

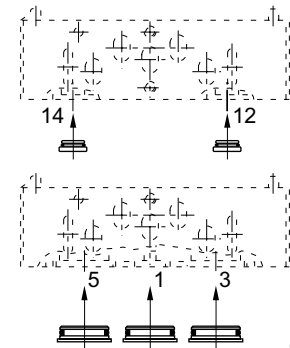
Part No.	Frame size	Type	Weight [kg]	Order quantity [Piece]
1821398007	26 mm	Mounting kit for DIN rails EN 60715, 35x15	0.014	1

Separator

▶ Frame size:26 mm ▶ for MS01-AL, CD01-PA



00103291



00106796

Part No.	Frame size	Type	Ambient temperature min./max. [°C]
1820220039	26 mm	Separator for connections 1, 3, 5	-15 / 50
1820220040	26 mm	For connections 12 and 14	-15 / 50

Part No.	Material	Material Seal	Weight [kg]	Note
1820220039	Aluminum	Acrylonitrile butadiene rubber	0.004	1)

1) type B
2) type A

ISO 15407-1, 26 mm, Series CD01-PA
Accessories

Part No.	Material	Material Seal	Weight [kg]	Note					
1820220040	Aluminum	Acrylonitrile butadiene rubber	0.002	2)					
1) type B 2) type A									

Valve systems ▶ Standardized valve systems

ISO 15407-1, 26 mm, Series CD01-PA
Accessories

Pressure regulator for horizontal stacking

▶ Qn = 2100 l/min ▶ Base plate connection, push-in fitting ▶ Poppet valve



P575_002

Certificates

Working pressure min./max.
Ambient temperature min./max.
Medium temperature min./max.
Medium
Max. particle size
Oil content of compressed air

Free of substances that impair surface wetting in the coating process

2 bar / 10 bar
-15°C / +50°C
-15°C / +50°C
Compressed air
50 µm
0 mg/m³ - 1 mg/m³

Materials:

Housing

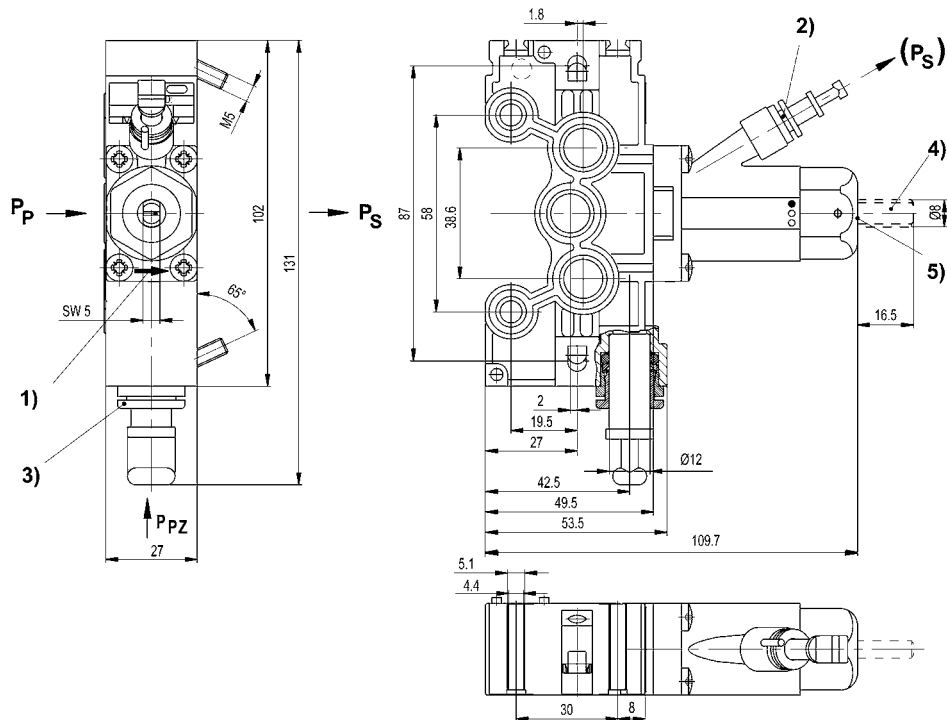
Polyamide, fiber-glass reinforced; Polyoxymethylene

Seals

Acrylonitrile butadiene rubber

	Compressed air connection		Adjustment range min./max.	Nominal flow	Actuating element+	Weight	Note	Part No.
	Input	Gauge port						
			[bar]	Qn 1 → 2 [l/min]		[kg]		
	Special base plate Ø 12	Ø6x1	0.8 / 8	2100	Screw with wrench flats	0.23	1)	5750020000
					Slotted screw	0.2	2)	R412003769
1) activation with key SW 5 2) activation with screwdriver Nominal flow Qn at 6 bar and Δp = 2 bar Scope of delivery incl. seal and mounting screws Order pressure gauge separately								

Dimensions



D575_002

- 1) Flow direction
 - 2) Push-in fitting $\varnothing 6 \times 1$ (for gauge)
 - 3) Additional pressure feed possible (push-in fitting $\varnothing 12$)
- PP primary pressure PS secondary pressure PPZ additional primary pressure supply
- 4) activation with key SW 5
 - 5) activation with screwdriver

Subbase

▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ type B ▶ Can be assembled into blocks ▶ Base plate principle, multiple ▶ Reversed pressure supply permissible



00118467

Standards	ISO 15407-1, 26 mm
Ambient temperature min./max.	-25 °C / +70 °C
Medium temperature min./max.	-25 °C / +70 °C
Medium	Compressed air
Working pressure min./max.	-0.95 bar / 16 bar
Grid dimension	22 mm
Mounting screw	with hexagon socket
Tightening torque for mounting screws	4 Nm \pm 0,5
Direction of pneumatic port (1)	On the side
Direction of pneumatic port (3,5)	Up
Exhaust (3,5)	With directional exhaust (3/5)
	Ports separated

Materials:
Base plate

Aluminum

Valve systems ▶ Standardized valve systems

ISO 15407-1, 26 mm, Series CD01-PA Accessories

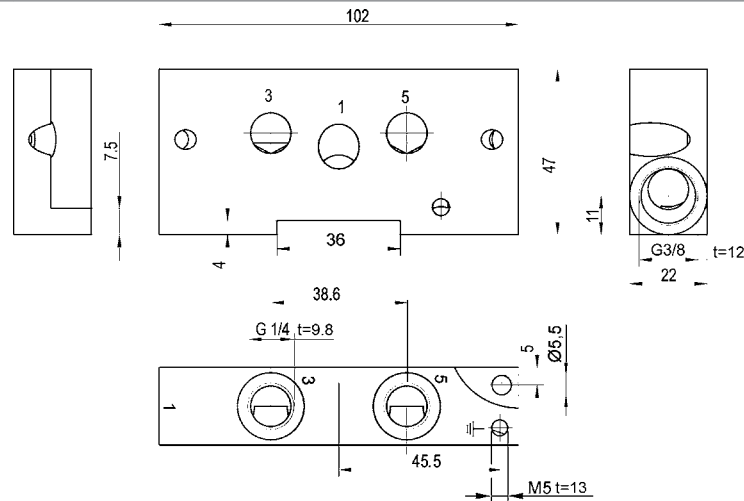
Technical Remarks

- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.

Frame size	Compressed air connection		Pilot	Note	Part No.
	Input	Exhaust			
	[1]	[3 / 5]			
26 mm	G 3/8	G 1/4	internal	1)	R412000630
			external	2)	R412000631

1) for internally piloted valves; pilot air is diverted from connection 1; working pressure 2 ([3] to [10] ([16]) bar], depending on valve type
 2) For externally piloted valves; external pilot air is fed in via the right supply plate, working pressure -0.95 to 10 (16) bar, depending on valve type

Dimensions



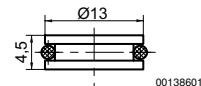
D_R412_000

Separator

▶ type B ▶ Frame size: 26 mm ▶ for MS01-PA, CD01-PA



00138602



00138601

ISO 15407-1, 26 mm, Series CD01-PA
Accessories

Part No.	Frame size	Type	Material
R412015167	26 mm	Separator for connections 1, 3, 5	Aluminum

Part No.	Material Seal	Weight [kg]							
R412015167	Acrylonitrile butadiene rubber	0.003							

Check-choke valve
▶ Qn = 680 - 810 l/min ▶ direction of throttle: 2 → 1



5341-301

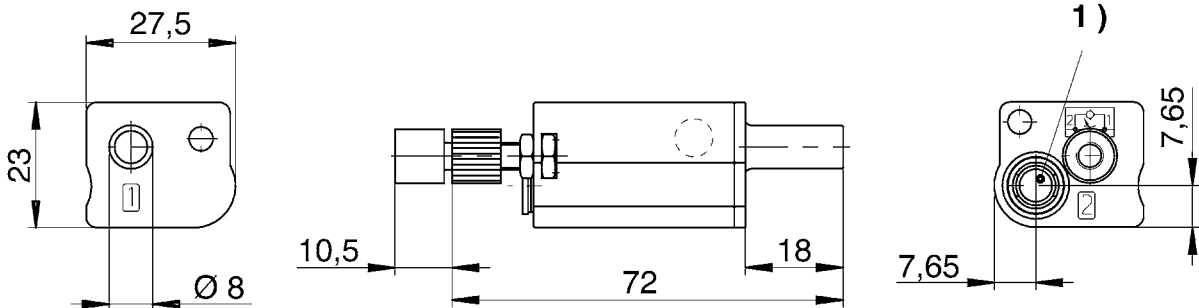
Working pressure min./max.
Ambient temperature min./max.
Medium temperature min./max.
Medium

0.5 bar / 10 bar
+0 °C / +50 °C
+0 °C / +50 °C
Compressed air

Materials:
Housing
Seal

Polyamide
Acrylonitrile butadiene rubber

	Port 1	Port 2	Qn 2 → 1 [l/min]	Qn 1 → 2 [l/min]	Weight [kg]	Part No.
	Ø 8	Ø 8	680	810	0.045	5341300000

Dimensions


D534_130

1) Push-in fitting diameter Ø 8

Valve systems ▶ Standardized valve systems

ISO 15407-1, 26 mm, Series CD01-PA
 Accessories

Pressure regulator for vertical stacking

▶ Qn = 750 l/min ▶ standard: ISO 15407-1 ▶ Controlled port: 3 ▶ Poppet valve


Certificates

 Working pressure min./max.
 Ambient temperature min./max.
 Medium temperature min./max.
 Medium
 Max. particle size
 Oil content of compressed air

Free of substances that impair surface wetting in the coating process

 2 bar / 10 bar
 -15°C / +50°C
 -15°C / +50°C
 Compressed air
 50 µm
 0 mg/m³ - 1 mg/m³

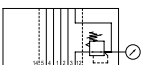
Materials:

Housing

Polyamide, fiber-glass reinforced; Polyoxymethylene

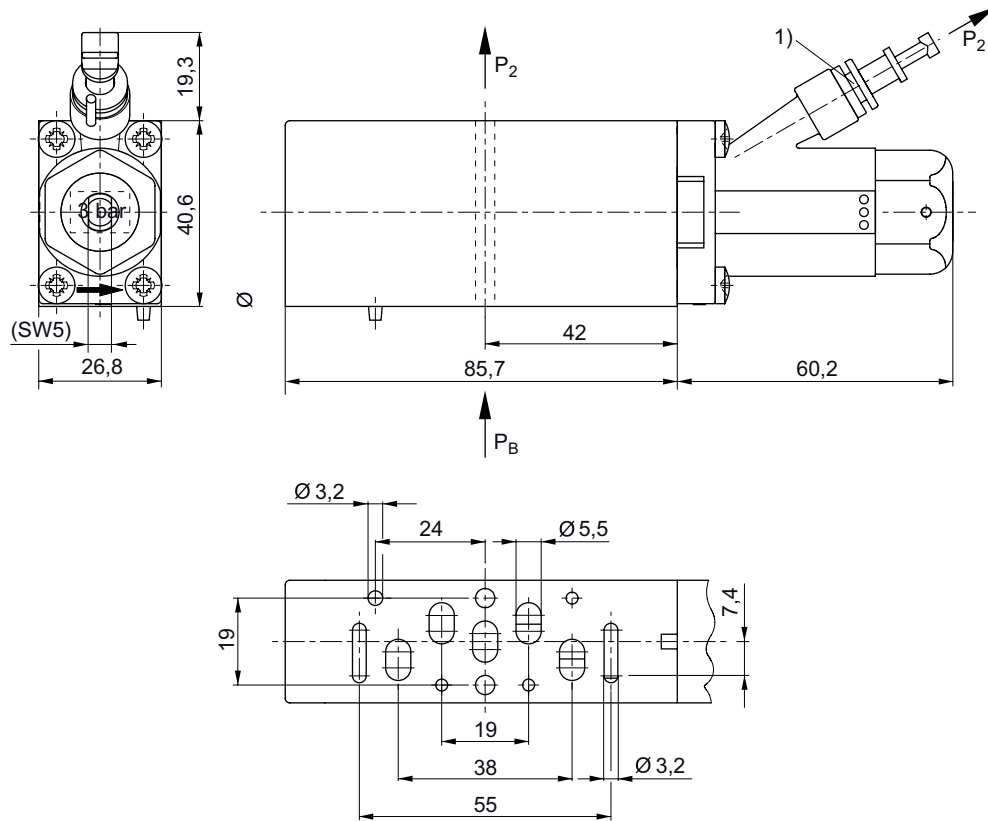
Seals

Acrylonitrile butadiene rubber

	Compressed air connection		Adjustment range min./max.	Nominal flow Qn 1 → 2	Actuating element+	Controlled port	Weight	Part No.
	Exhaust	Gauge port						
			[bar]	[l/min]			[kg]	
	base plate DIN ISO 15407-1	Ø6x1	0.8 / 8 3 / 3	750	Screw with wrench flats -	3	0.2	5750020510 5750020520

Part No.	Fig.
5750020510	Fig. 1
5750020520	Fig. 2

 Nominal flow with secondary pressure 6,3 bar at $\Delta p = 1$ bar
 Scope of delivery incl. seal and mounting screws
 Order pressure gauge separately

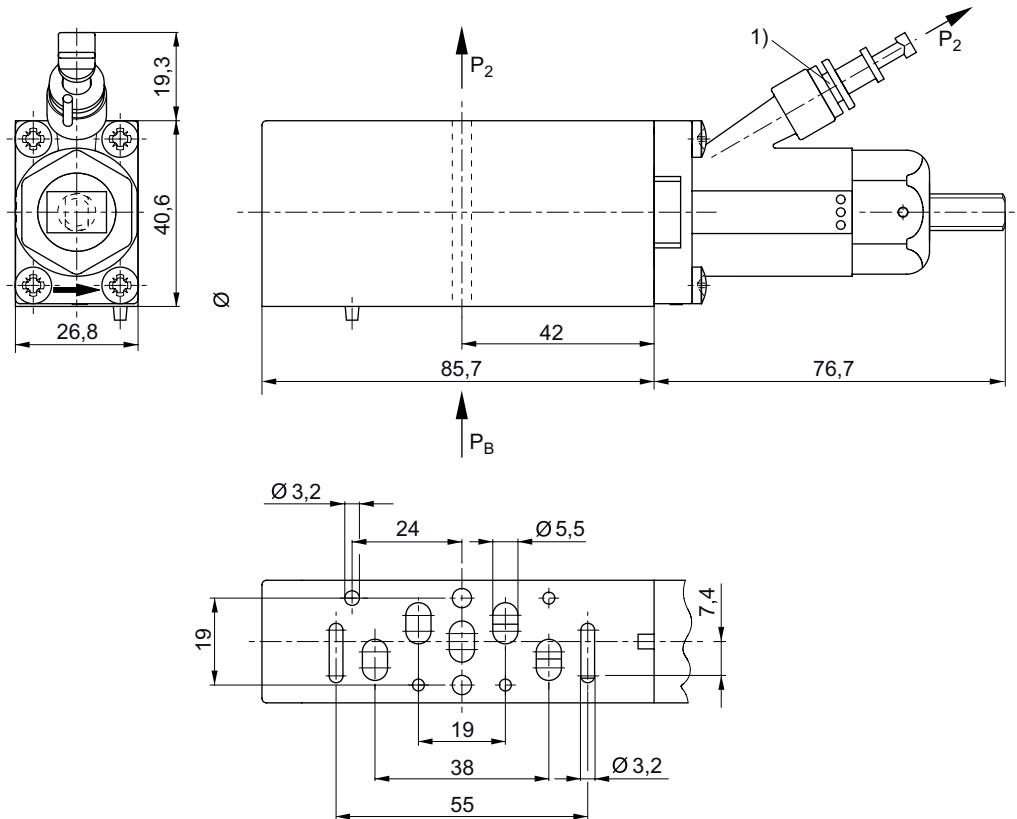
Fig. 1


- 1) push-in fitting $\text{Ø} 6 \times 1$ (for pressure gauge) 2) preset at 3 bar
 p2 = secondary pressure
 P_B = Working pressure

D575_050

ISO 15407-1, 26 mm, Series CD01-PA Accessories

Fig. 2



1) Push-in fitting $\varnothing 6 \times 1$ (for gauge)
 p_2 = secondary pressure
 P_B = Working pressure

D575_050_a

Pressure regulator for vertical stacking

▶ $Q_n = 750$ l/min ▶ Base plate connection ▶ Controlled port: 1 ▶ Poppet valve



P575_050

Certificates

Working pressure min./max.
 Ambient temperature min./max.
 Medium temperature min./max.
 Medium
 Max. particle size
 Oil content of compressed air

Materials:

Housing

Seals

Free of substances that impair surface wetting in the coating process

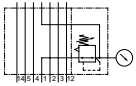
2 bar / 10 bar
 -15°C / +50°C
 -15°C / +50°C
 Compressed air
 50 μ m
 0 mg/m³ - 1 mg/m³

Polyamide, fiber-glass reinforced; Polyoxymethylene

Acrylonitrile butadiene rubber

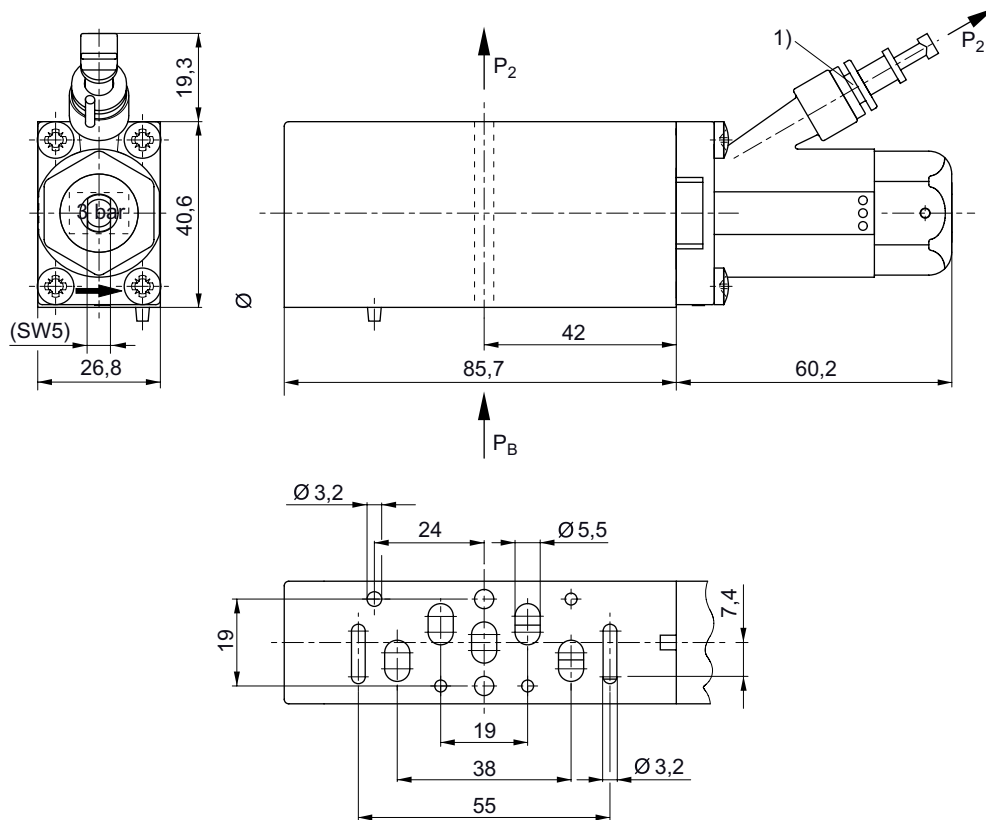
ISO 15407-1, 26 mm, Series CD01-PA

Accessories

	Compressed air connection		Adjustment range min./max.	Nominal flow Qn 1 → 2	Actuating element+	Controlled port	Weight	Fig.	Part No.	
	Input	Gauge port								
			[bar]	[l/min]			[kg]			
	base plate DIN ISO 15407-1	Ø6x1	0.8 / 8	750	Screw with wrench flats	1	0.21	Fig. 2	5750020500	
			0.5 / 4						-	R412003719
			3 / 3						-	5750020530

Nominal flow with secondary pressure 6,3 bar at $\Delta p = 1$ bar
 Scope of delivery incl. seal and mounting screws
 Order pressure gauge separately

Fig. 1

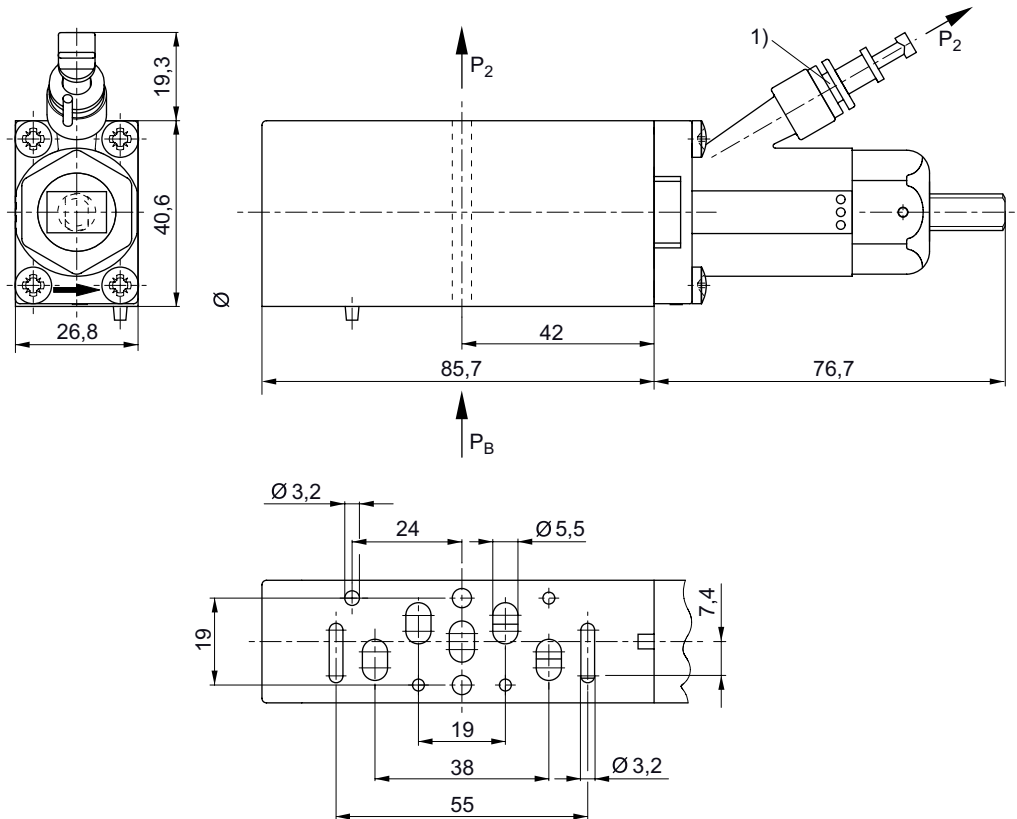


D575_050

1) push-in fitting Ø6x1 (for pressure gauge) 2) preset at 3 bar
 p_2 = secondary pressure
 P_B = Working pressure

ISO 15407-1, 26 mm, Series CD01-PA Accessories

Fig. 2

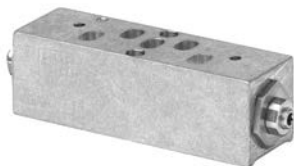


- 1) Push-in fitting $\text{Ø} 6 \times 1$ (for gauge)
 p_2 = secondary pressure
 P_B = Working pressure

D575_050_a

Throttle plate

▶ standard: ISO 15407-1 ▶ Frame size: 26 mm



00106833

Standards

Ambient temperature min./max.
 Medium temperature min./max.
 Medium
 Working pressure min./max.

ISO 15407-1, 26 mm

-15°C / +70°C
 -15°C / +70°C
 Compressed air
 0 bar / 16 bar

Materials:

Base plate
 Seals

Aluminum

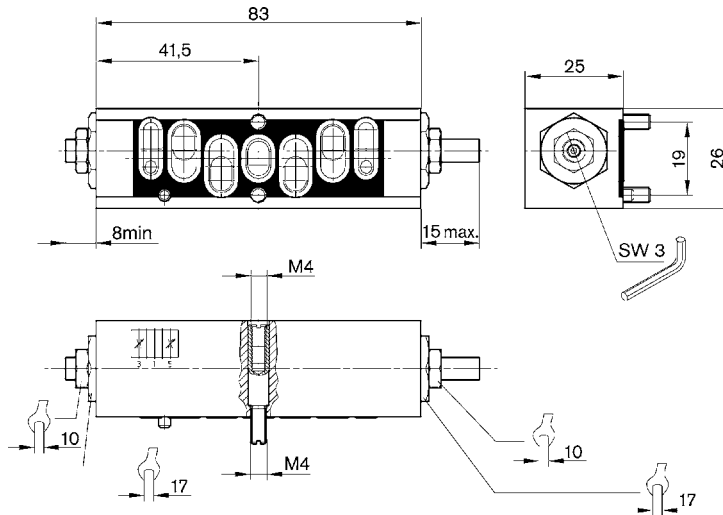
Acrylonitrile butadiene rubber

Technical Remarks

- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.

ISO 15407-1, 26 mm, Series CD01-PA
 Accessories

Frame size	Weight	Part No.
	[kg]	
26 mm	0.17	0821201022
Scope of delivery incl. seal and mounting screws		

Dimensions


00106802

Supply module

- ▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ Can be assembled into blocks ▶ Single base plate principle
- ▶ Reversed pressure supply permissible



P898_147

Standards	ISO 15407-1, 26 mm
Ambient temperature min./max.	-15°C / +50°C
Medium temperature min./max.	-15°C / +50°C
Medium	Compressed air
Working pressure min./max.	-0.95 bar / 16 bar
Number of valve positions	1
Grid dimension	27 mm
Mounting screw	with hexagon socket
Tightening torque for mounting screws	2.5 Nm+0,25
Direction of pneumatic port (1)	On the side
Direction of pneumatic port (2,4)	Up
Exhaust (3,5)	With directional exhaust (3/5)
Compressed air connection	Ports separated According to ISO 15407-1
Materials:	
Base plate	Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Valve systems ▶ Standardized valve systems

ISO 15407-1, 26 mm, Series CD01-PA Accessories

Technical Remarks

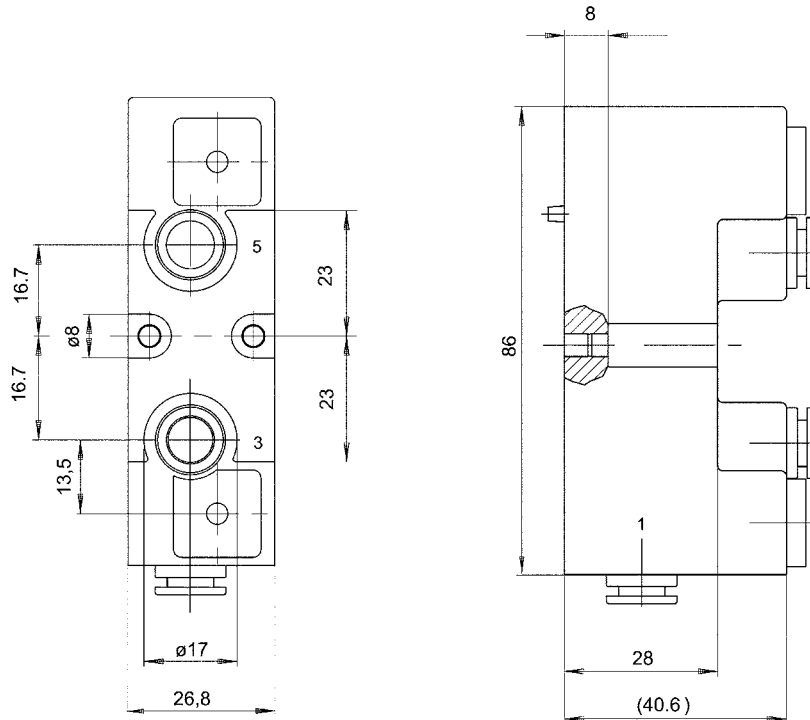
- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.

Frame size	Compressed air connection		Part No.
	Input	Exhaust	
	[1]	[3 / 5]	
26 mm	Ø 8x1	Ø 8x1	8985121472

Blanking plug included in scope of delivery

For applications with base plates in accordance with ISO 15407-2, protective cap R412005856 must be ordered separately.

Dimensions



D898_147

ISO 15407-1, 26 mm, Series CD01-PA

Accessories

Supply plate, stacked vertically

▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ Single base plate principle ▶ Reversed pressure supply permissible



00106825

Standards	ISO 15407-1, 26 mm
Ambient temperature min./max.	-15 °C / +70 °C
Medium temperature min./max.	-15 °C / +70 °C
Medium	Compressed air
Working pressure min./max.	-0.95 bar / 16 bar
Number of valve positions	1
Mounting screw	with hexagon socket
Tightening torque for mounting screws	2.5 Nm+0,25
Direction of pneumatic port (1)	On the side
Exhaust (3,5)	With directional exhaust (3/5)
	Ports separated
Compressed air connection	According to ISO 15407-1
Materials:	
Base plate	Aluminum
Seals	Acrylonitrile butadiene rubber

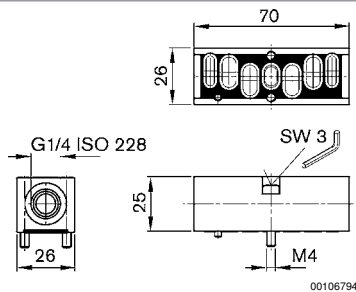
Technical Remarks

- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.

Frame size	Compressed air connection	Input	Weight	Part No.
			[kg]	
26 mm		G 1/4	0.112	1825504035

Scope of delivery incl. seal and mounting screws

Dimensions



00106794

Valve systems ▶ Standardized valve systems

ISO 15407-1, 26 mm, Series CD01-PA
Accessories

Blanking plate

- ▶ standard: ISO 15407-1 ▶ Frame size: 26 mm ▶ Can be assembled into blocks ▶ Single base plate principle
- ▶ Reversed pressure supply permissible



P898_149

Standards	ISO 15407-1, 26 mm
Ambient temperature min./max.	-15°C / +50°C
Medium temperature min./max.	-15°C / +50°C
Medium	Compressed air
Working pressure min./max.	-0.95 bar / 16 bar
Number of valve positions	1
Grid dimension	27 mm
Mounting screw	with hexagon socket
Tightening torque for mounting screws	2.5 Nm+0,25
Compressed air connection	According to ISO 15407-1

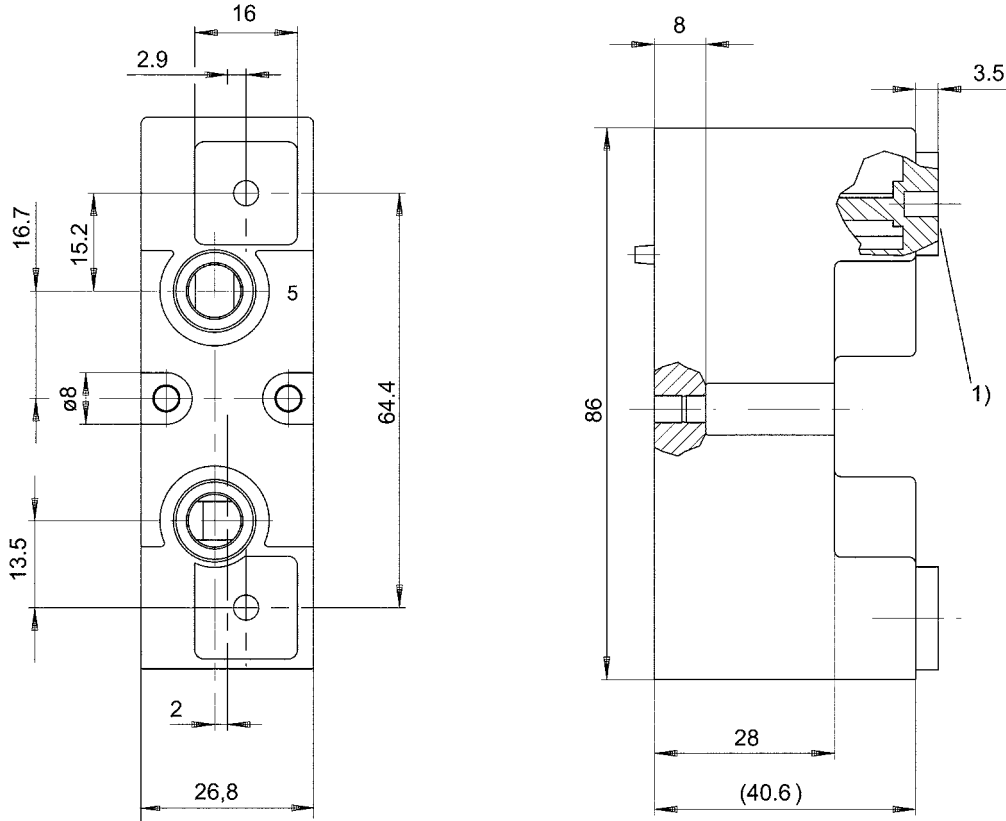
Materials:	
Base plate	Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Technical Remarks

- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.
- I/O functionality by combining with contact bridge kit for additional inputs/outputs

Frame size	Weight	Part No.
	[kg]	
26 mm	0.088	8985121492

For applications with base plates in accordance with ISO 15407-2, protective cap R412005856 must be ordered separately.

Dimensions


D898_149

1) Mounting hole for M2.5 thread insert

Pressure gauge

► Front port ► Background color: White ► Scale color: Black / Red ► Units: bar / psi ► suitable for ATEX



DSCN1693

Version	Bourdon tube pressure gauge
Main scale unit (outside)	bar
Secondary scale unit (inside)	psi
Ambient temperature min./max.	-15 °C / +80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m ³ - 5 mg/m ³
Pointer color	Black
Main scale color (outside)	Black
Secondary scale color (inside)	Red

Materials:

Housing

Polyamide


The delivered product may vary from that in the illustration.

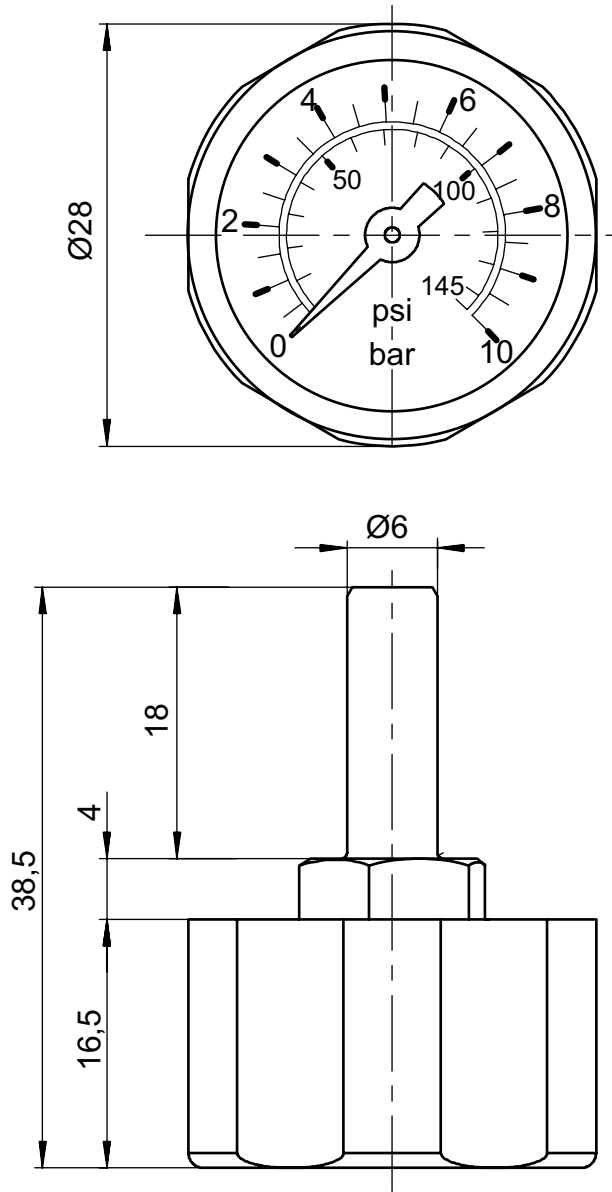
Valve systems ▶ Standardized valve systems

ISO 15407-1, 26 mm, Series CD01-PA
Accessories

Technical Remarks

- Suitable for use in Ex zones 1, 2, 21, 22

	Compressed air connection	Nominal diameter [mm]	Range of application [bar]	Display range [bar]	Operating pressure [bar]	Weight [kg]	Part No.
	Ø 6	28	0 - 10	0 - 10	0 / 10	0.016	3530200300
			0 - 4	0 - 4	0 / 4		R412003960
Included in the delivery contents: Straight push-in fitting, increasing (1823391628)							

Dimensions


23236

Accessories, For HF04 series valve system

▶ D-Sub multipole plug and HAN



00112281

Valve systems ▶ Standardized valve systems

ISO 15407-1, 26 mm, Series CD01-PA
Accessories

Part No.	Type	Weight [kg]							
8946201032	Harting plug HAN 25 D, top, 25-pin, with 5 m cable	1.88							
8946201052	HAN 25 D, top	3.8							
3355140002	D-Sub plug, 37-pin, top	0.16							
8946201042	D-Sub plug, 37-pin, top	1.63							

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www.aventics.com/contact

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20-03-2017

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