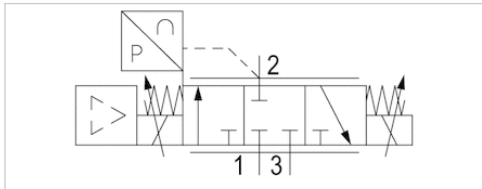
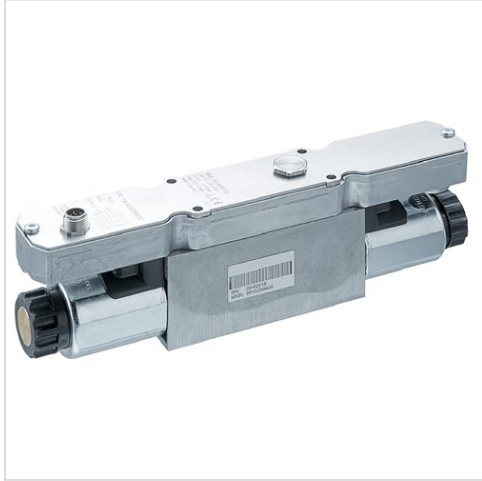


# E/P pressure regulator, Series ED07

- Qn = 1.32 Cv
- Electr. connection via signal connection
- Signal connection input and output, Plug, M12, 5-pin



Version	Poppet valve
Mounting orientation	$\alpha = 0 \dots 90^\circ \pm \beta = 0 \dots 90^\circ$
Certificates	CE declaration of conformity
Working pressure max	See table below
Ambient temperature min./max.	41 ... 122 °F
Medium temperature min./max.	41 ... 122 °F
Medium	Compressed air
Max. particle size	50 $\mu\text{m}$
Oil content of compressed air	0 ... 1 mg/m <sup>3</sup>
Nominal flow Qn	1.32 Cv
Control	Analog
DC operating voltage	24 V
Voltage tolerance DC	-20% / +30%
Permissible ripple	5%
Max. power consumption	1400 mA
Protection class	IP65
Weight	4.52 lbs
Nominal flow Qn with working pressure 101.5 psi , with secondary pressure 87 psi and $\Delta p = 2.9$ psi	

## Technical data

Part No.	Working pressure max	Pressure setting range min./max.	Nominal input value
			Min./max.
R41400686	43 psi	0 ... 87 psi	0 ... 20 mA
R414009623	43 psi	0 ... 87 psi	4 ... 20 mA
R414009624	43 psi	0 ... 87 psi	0 ... 10 V
R414009630	43 psi	0 ... 87 psi	0 ... 20 mA
R414009631	43 psi	0 ... 87 psi	4 ... 20 mA
R414009633	43 psi	0 ... 87 psi	0 ... 10 V
R414009634	43 psi	0 ... 87 psi	0 ... 20 mA
R414009635	43 psi	0 ... 87 psi	4 ... 20 mA
R414009637	43 psi	0 ... 87 psi	0 ... 10 V
R414000690	116 psi	0 ... 87 psi	0 ... 20 mA
R414000691	116 psi	0 ... 87 psi	4 ... 20 mA
R414000693	116 psi	0 ... 87 psi	0 ... 10 V
R414000700	174 psi	0 ... 145 psi	0 ... 20 mA
R414000701	174 psi	0 ... 145 psi	4 ... 20 mA
R414000703	174 psi	0 ... 232 psi	0 ... 10 V
R414000770	261 psi	0 ... 232 psi	0 ... 20 mA
R414000771	261 psi	0 ... 232 psi	4 ... 20 mA
R414000773	261 psi	0 ... 232 psi	0 ... 10 V
R414000785	304 psi	0 ... 232 psi	0 ... 20 mA
R414000786	304 psi	0 ... 232 psi	4 ... 20 mA

Part No.	Working pressure max	Pressure setting range min./max.	Nominal input value
			Min./max.
R414000788	304 psi	0 ... 232 psi	0 ... 10 V

Part No.	Actual output value	Control	Hysteresis	Fig.
	Min./max.			
R414000686	0 ... 20 mA	Analog	0.218 psi	Fig. 1
R414009623	4 ... 20 mA	Analog	0.218 psi	Fig. 1
R414009624	0 ... 10 V	Analog	0.218 psi	Fig. 2
R414009630	0 ... 20 mA	Analog	0.218 psi	Fig. 1
R414009631	4 ... 20 mA	Analog	0.218 psi	Fig. 1
R414009633	0 ... 10 V	Analog	0.218 psi	Fig. 2
R414009634	0 ... 20 mA	Analog	0.218 psi	Fig. 1
R414009635	4 ... 20 mA	Analog	0.218 psi	Fig. 1
R414009637	0 ... 10 V	Analog	0.218 psi	Fig. 2
R414000690	0 ... 20 mA	Analog	0.435 psi	Fig. 1
R414000691	4 ... 20 mA	Analog	0.435 psi	Fig. 1
R414000693	0 ... 10 V	Analog	0.435 psi	Fig. 2
R414000700	0 ... 20 mA	Analog	0.435 psi	Fig. 1
R414000701	4 ... 20 mA	Analog	0.435 psi	Fig. 1
R414000703	0 ... 10 V	Analog	0.435 psi	Fig. 2
R414000770	0 ... 20 mA	Analog	0.58 psi	Fig. 1
R414000771	4 ... 20 mA	Analog	0.58 psi	Fig. 1
R414000773	0 ... 10 V	Analog	0.58 psi	Fig. 2
R414000785	0 ... 20 mA	Analog	1.305 psi	Fig. 1
R414000786	4 ... 20 mA	Analog	1.305 psi	Fig. 1
R414000788	0 ... 10 V	Analog	1.305 psi	Fig. 2

Minimum working pressure = 7.25 psi + max. required secondary pressure, Additional pressure setting ranges available on request

## Technical information

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 27 °F under ambient and medium temperature and may not exceed 5.4 °F .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

With oil-free, dry air, other installation positions are possible on request.

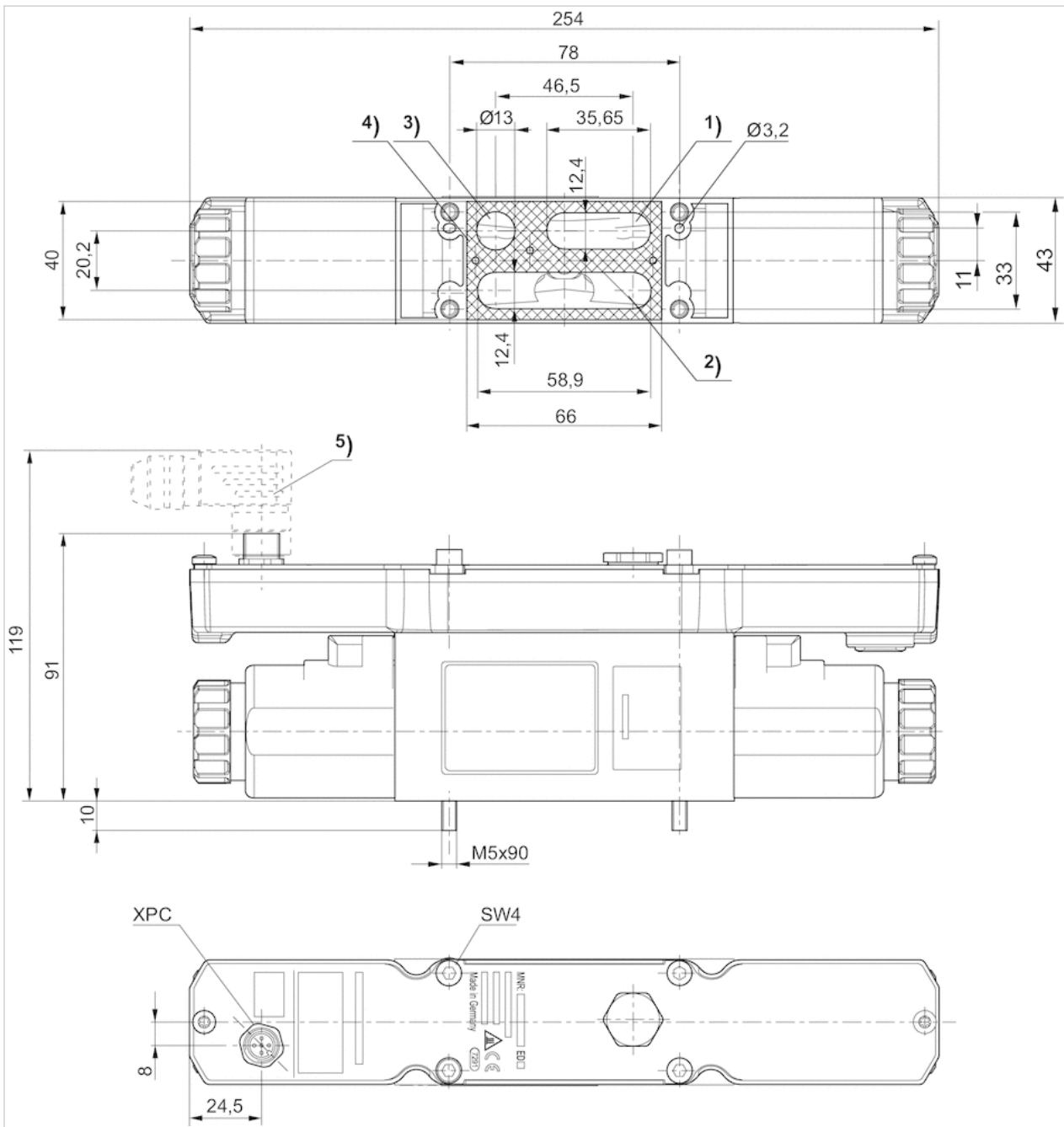
The protection class is only ensured when the plug is mounted properly. For detailed information, see operating instructions.

## Technical information

Material	
Housing	Die-cast aluminum, Steel
Seals	Hydrogenated acrylonitrile butadiene rubber

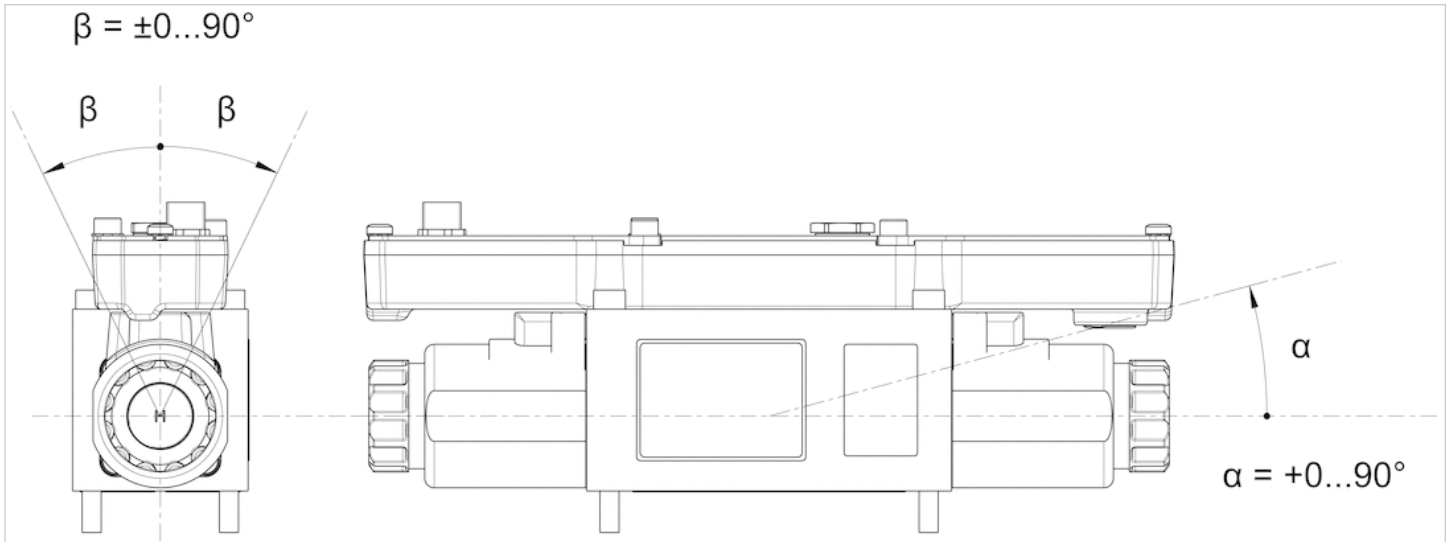
# Dimensions

## Dimensions



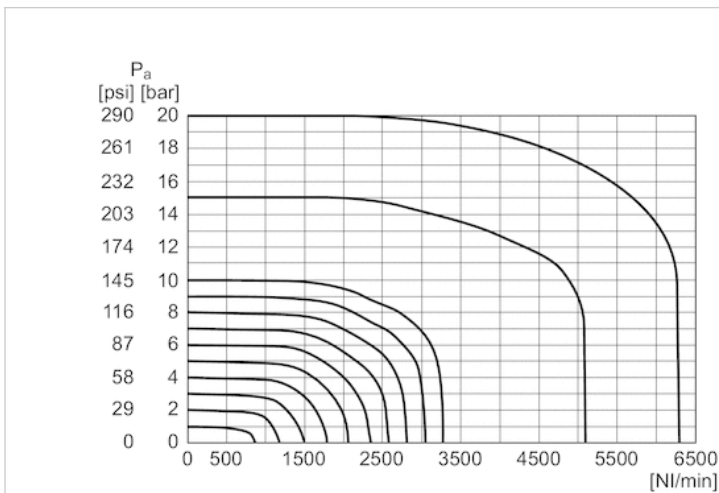
- 1) Operating pressure
- 2) Working pressure
- 3) Exhaust
- 4) Flat gasket
- 5) Accessories not supplied

Mounting orientation



Diagrams

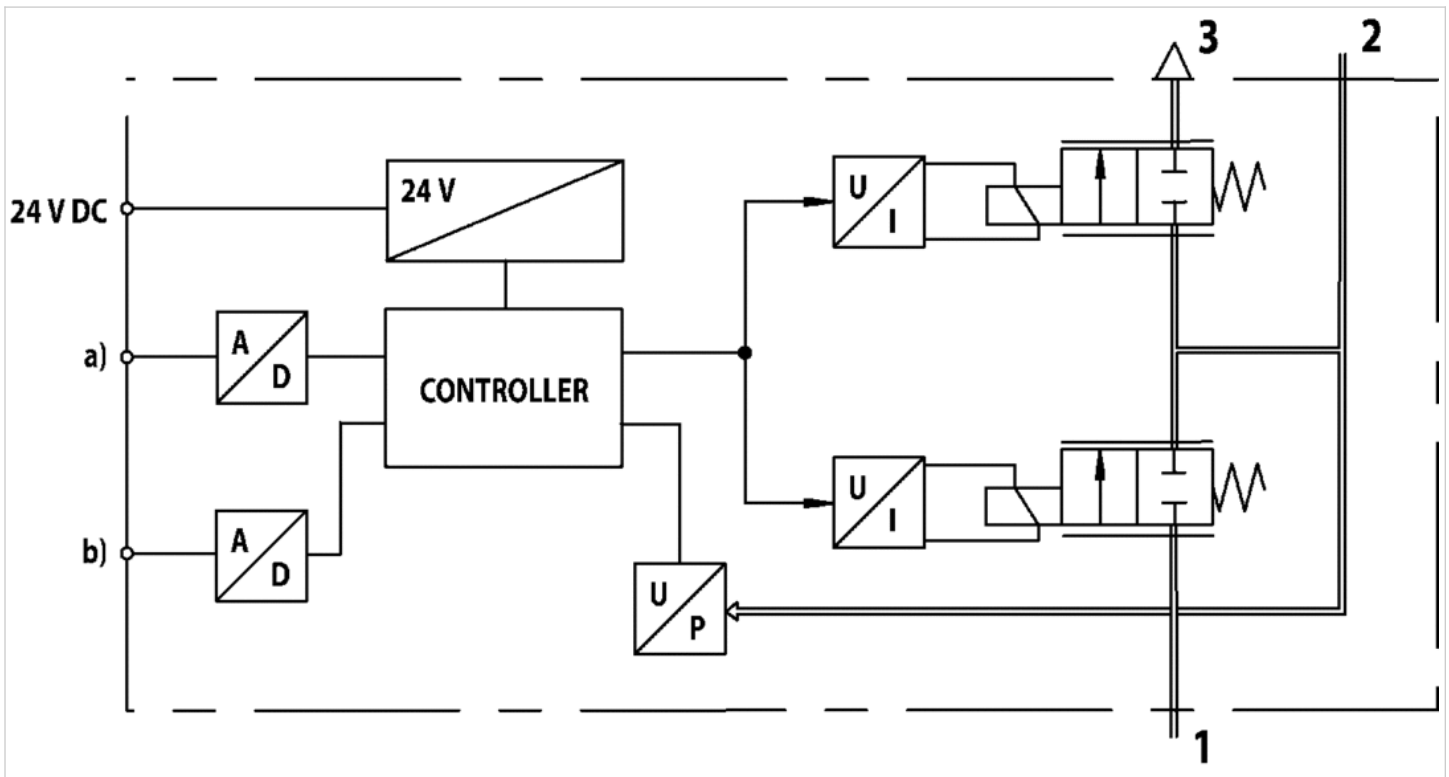
Flow diagram



$P_a$  = Working pressure

Circuit diagram

Functional diagram

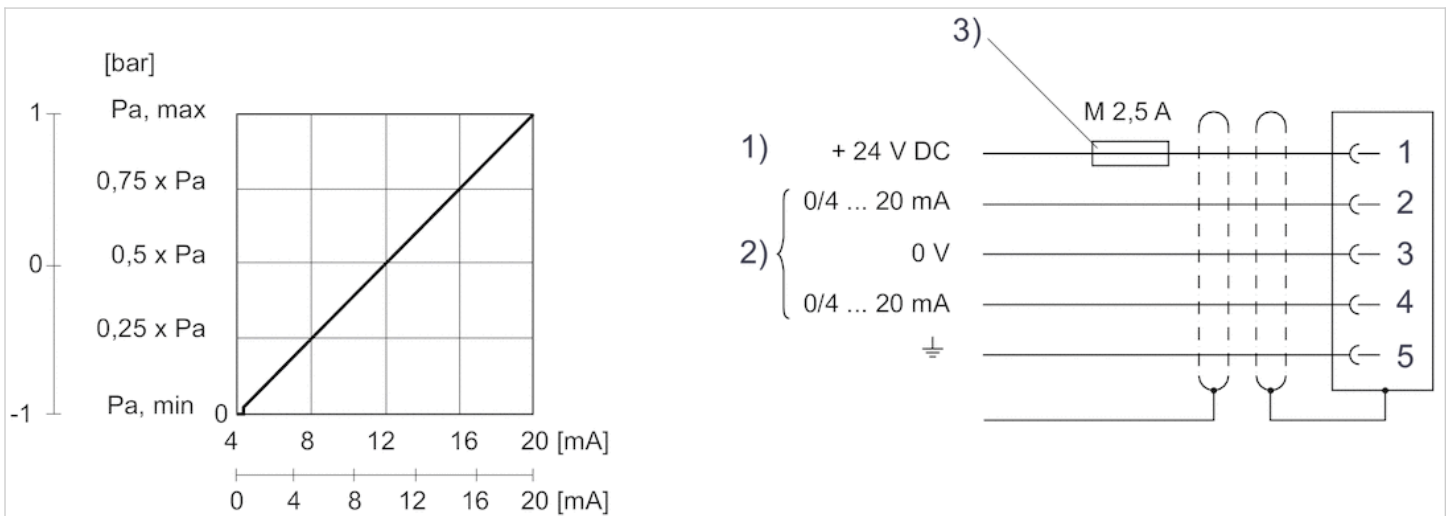


a) Nominal input value b) Actual output value

The E/P pressure control valve modulates the pressure corresponding to an analog electrical nominal input value.

- 1) Operating pressure
- 2) Working pressure
- 3) Exhaust

Fig. 1 Characteristic and pin assignment for current control with actual output value



1) Supply Voltage

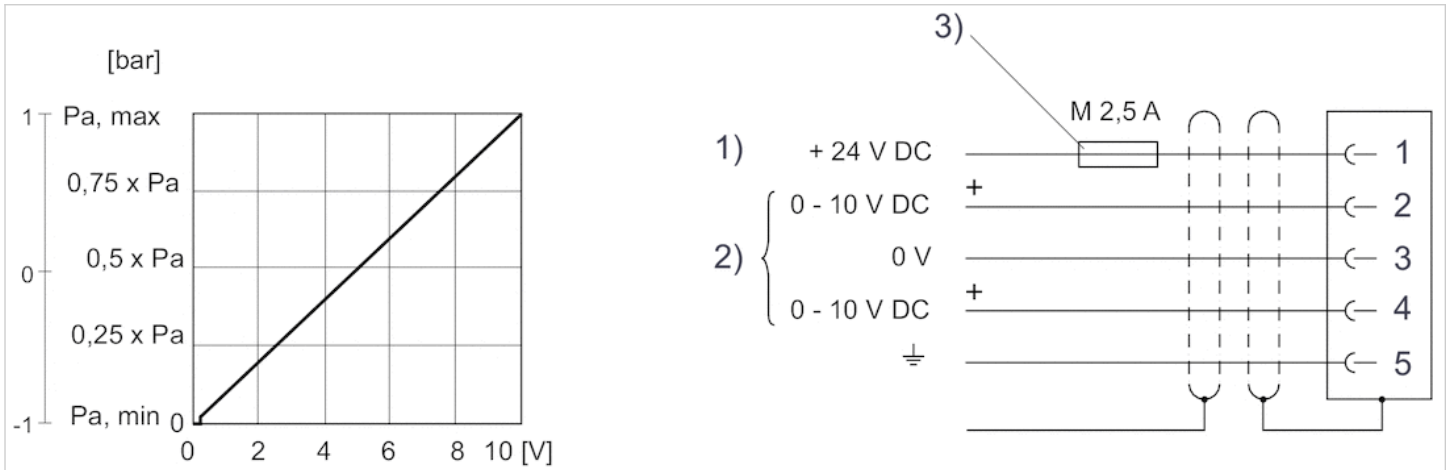
2) Actual value (pin 4) and nominal value (pin 2) are related to 0 V (control voltage).

Nominal input value current (ohmic load 100 Ω). Actual output value (max. total resistance of downstream devices 300 Ω).

3) The operating voltage must be protected by an external M 2.5 A fuse.

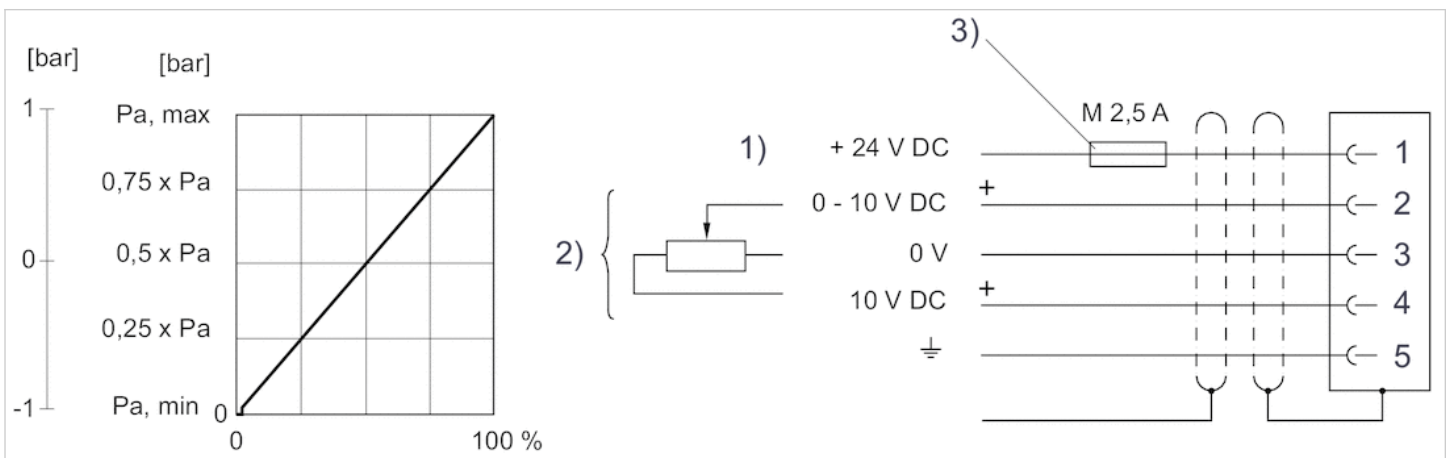
Connect the plug via a shielded cable to ensure EMC.

Fig. 2 Characteristic and pin assignment for voltage control with actual output value



- 1) Supply Voltage
- 2) Actual value (pin 4) and target value (pin 2) are related to 0 V.  
If the supply voltage is switched off, the voltage input value is high-ohmic.  
Input resistance under supply voltage: 1 MΩ  
Voltage output (actual value): external working resistance 10 kΩ
- 3) The operating voltage must be protected by an external M 2.5 A fuse.  
Connect the plug via a shielded cable to ensure EMC.

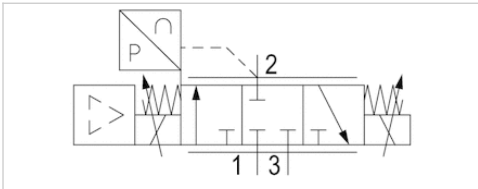
Fig. 3 Characteristic and pin assignment for potentiometer control without actual output value



- 1) Supply Voltage
- 2) Actual value (pin 2) is related to 0 V.  
If the supply voltage is switched off, the voltage input value is high-ohmic.  
Input resistance under supply voltage: 1 MΩ
- 3) The operating voltage must be protected by an external M 2.5 A fuse.  
Connect the plug via a shielded cable to ensure EMC.

# E/P pressure regulator, Series ED07

- Qn = 1.32 Cv
- Electr. connection Plug, M12, 5-pin
- Signal connection input and output, Socket, M12, 5-pin



Version	Poppet valve
Mounting orientation	$\alpha = 0 \dots 90^\circ \pm \beta = 0 \dots 90^\circ$
Certificates	CE declaration of conformity
Working pressure max	See table below
Ambient temperature min./max.	41 ... 122 °F
Medium temperature min./max.	41 ... 122 °F
Medium	Compressed air
Max. particle size	50 $\mu\text{m}$
Oil content of compressed air	1 mg/m <sup>3</sup>
Nominal flow Qn	1.32 Cv
Control	Analog
DC operating voltage	24 V
Voltage tolerance DC	-20% / +30%
Permissible ripple	5%
Max. power consumption	1400 mA
Protection class	IP65
Weight	4.52 lbs
	Nominal flow Qn with working pressure 101.5 psi , with secondary pressure 87 psi and $\Delta p = 2.9$ psi

## Technical data

Part No.	Working pressure max	Pressure setting range min./max.	Nominal input value
			Min./max.
R414009638	1 psi	0 ... 87 psi	0 ... 20 mA
R414009639	1 psi	0 ... 87 psi	4 ... 20 mA
R414009640	1 psi	0 ... 87 psi	0 ... 10 V
R414009641	10 psi	0 ... 87 psi	0 ... 20 mA
R414009642	10 psi	0 ... 87 psi	4 ... 20 mA
R414009643	10 psi	0 ... 87 psi	0 ... 10 V
R414009644	10 psi	0 ... 87 psi	0 ... 10 V
R414000687	43 psi	0 ... 87 psi	0 ... 20 mA
R414009645	43 psi	0 ... 87 psi	4 ... 20 mA
R414009646	43 psi	0 ... 87 psi	0 ... 10 V
R414009647	43 psi	0 ... 87 psi	0 ... 10 V
R414009648	43 psi	0 ... 87 psi	0 ... 20 mA
R414009649	43 psi	0 ... 87 psi	4 ... 20 mA
R414009650	43 psi	0 ... 87 psi	0 ... 10 V
R414009651	43 psi	0 ... 87 psi	0 ... 10 V
R414009652	43 psi	0 ... 87 psi	0 ... 20 mA
R414009653	43 psi	0 ... 87 psi	4 ... 20 mA
R414009654	43 psi	0 ... 87 psi	0 ... 10 V
R414009655	43 psi	0 ... 87 psi	0 ... 10 V
5610264800	116 psi	0 ... 87 psi	0 ... 20 mA

Part No.	Working pressure max	Pressure setting range min./max.	Nominal input value
			Min./max.
5610264810	116 psi	0 ... 87 psi	4 ... 20 mA
5610264820	116 psi	0 ... 87 psi	0 ... 10 V
5610264830	116 psi	0 ... 87 psi	0 ... 10 V
5610264500	174 psi	0 ... 145 psi	0 ... 20 mA
5610264510	174 psi	0 ... 145 psi	4 ... 20 mA
5610264520	174 psi	0 ... 145 psi	0 ... 10 V
5610264530	174 psi	0 ... 145 psi	0 ... 10 V
R414000775	261 psi	0 ... 232 psi	0 ... 20 mA
R414000776	261 psi	0 ... 232 psi	4 ... 20 mA
R414000777	261 psi	0 ... 232 psi	0 ... 10 V
R414000778	261 psi	0 ... 232 psi	0 ... 10 V
5610264200	304 psi	0 ... 290 psi	0 ... 20 mA
5610264210	304 psi	0 ... 290 psi	4 ... 20 mA
5610264220	304 psi	0 ... 290 psi	0 ... 10 V
5610264230	304 psi	0 ... 290 psi	0 ... 10 V

Part No.	Actual output value	Control	Hysteresis	Fig.	
	Min./max.				
R414009638	0 ... 20 mA	Analog	0.014 psi	Fig. 1	-
R414009639	4 ... 20 mA	Analog	0.014 psi	Fig. 1	-
R414009640	0 ... 10 V	Analog	0.014 psi	Fig. 2	-
R414009641	0 ... 20 mA	Analog	0.044 psi	Fig. 1	-
R414009642	4 ... 20 mA	Analog	0.044 psi	Fig. 1	-
R414009643	-	Analog	0.044 psi	Fig. 3	1)
R414009644	0 ... 10 V	Analog	0.044 psi	Fig. 2	-
R414000687	0 ... 20 mA	Analog	0.218 psi	Fig. 1	-
R414009645	4 ... 20 mA	Analog	0.218 psi	Fig. 1	-
R414009646	-	Analog	0.218 psi	Fig. 3	1)
R414009647	0 ... 10 V	Analog	0.218 psi	Fig. 2	-
R414009648	0 ... 20 mA	Analog	0.218 psi	Fig. 1	-
R414009649	4 ... 20 mA	Analog	0.218 psi	Fig. 1	-
R414009650	-	Analog	0.218 psi	Fig. 3	1)
R414009651	0 ... 10 V	Analog	0.218 psi	Fig. 2	-
R414009652	0 ... 20 mA	Analog	0.218 psi	Fig. 1	-
R414009653	4 ... 20 mA	Analog	0.218 psi	Fig. 1	-
R414009654	-	Analog	0.218 psi	Fig. 3	1)
R414009655	0 ... 10 V	Analog	0.218 psi	Fig. 2	-
5610264800	0 ... 20 mA	Analog	0.435 psi	Fig. 1	-
5610264810	4 ... 20 mA	Analog	0.435 psi	Fig. 1	-
5610264820	-	Analog	0.435 psi	Fig. 3	1)
5610264830	0 ... 10 V	Analog	0.435 psi	Fig. 2	-
5610264500	0 ... 20 mA	Analog	0.435 psi	Fig. 1	-
5610264510	4 ... 20 mA	Analog	0.435 psi	Fig. 1	-
5610264520	-	Analog	0.435 psi	Fig. 3	1)
5610264530	0 ... 10 V	Analog	0.435 psi	Fig. 2	-
R414000775	0 ... 20 mA	Analog	0.58 psi	Fig. 1	-
R414000776	4 ... 20 mA	Analog	0.58 psi	Fig. 1	-
R414000777	-	Analog	0.58 psi	Fig. 3	1)



Part No.	Actual output value	Control	Hysteresis	Fig.	
	Min./max.				
R414000778	0 ... 10 V	Analog	0.58 psi	Fig. 2	-
5610264200	0 ... 20 mA	Analog	1.305 psi	Fig. 1	-
5610264210	4 ... 20 mA	Analog	1.305 psi	Fig. 1	-
5610264220	-	Analog	1.305 psi	Fig. 3	1)
5610264230	0 ... 10 V	Analog	1.305 psi	Fig. 2	-

1) Output 10V constant to supply a set point potentiometer.

## Technical information

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 27 °F under ambient and medium temperature and may not exceed 5.4 °F .  
 The oil content of compressed air must remain constant during the life cycle.  
 Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

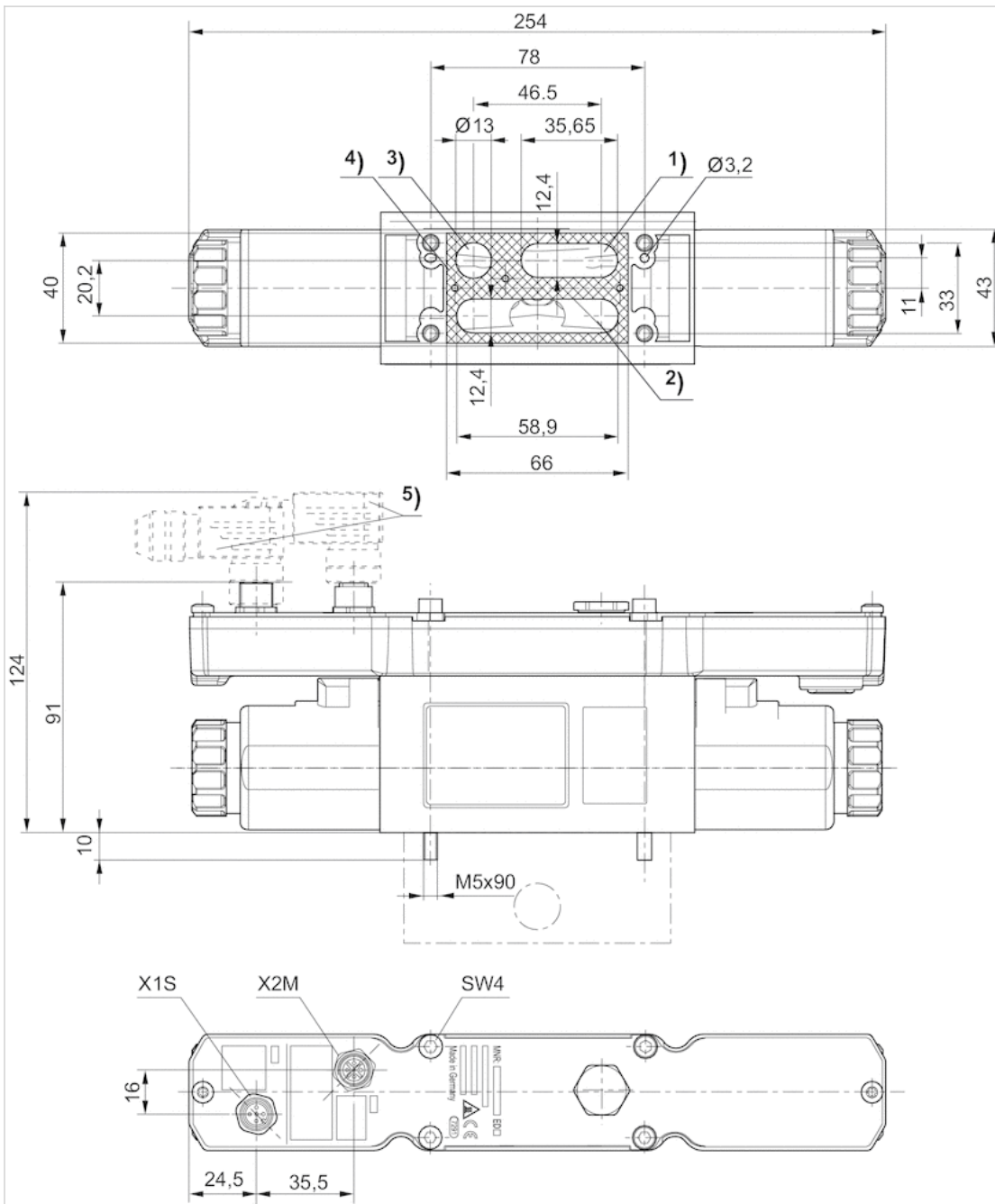
With oil-free, dry air, other installation positions are possible on request.  
 The protection class is only ensured when the plug is mounted properly. For detailed information, see operating instructions.  
 Minimum working pressure = 7.25 psi + max. required secondary pressure  
 Additional pressure setting ranges available on request

## Technical information

Material	
Housing	Die-cast aluminum, Steel
Seals	Hydrogenated acrylonitrile butadiene rubber

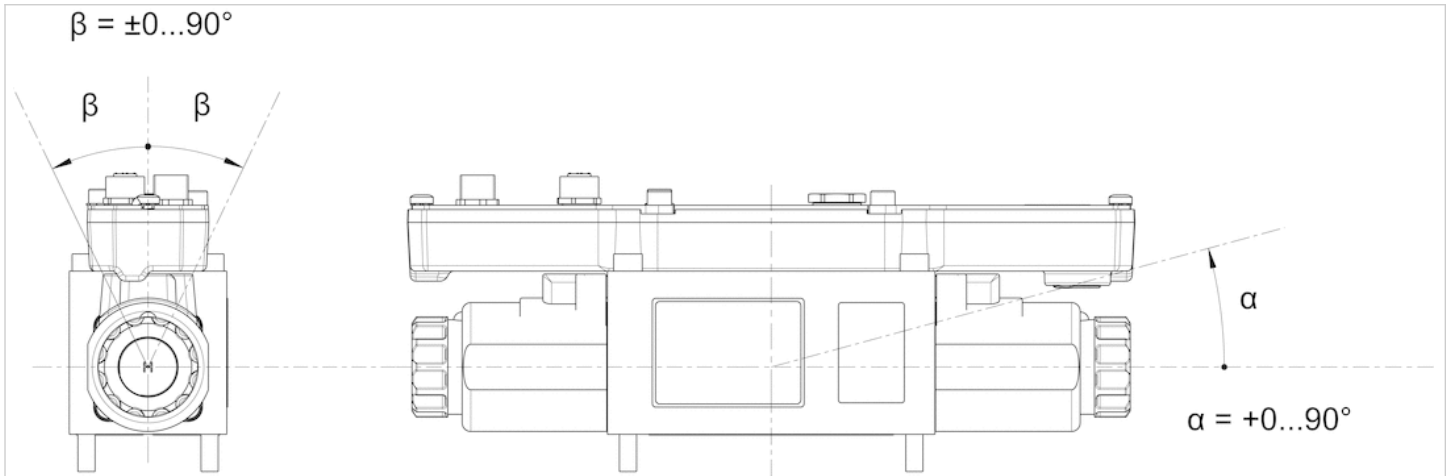
# Dimensions

## Dimensions



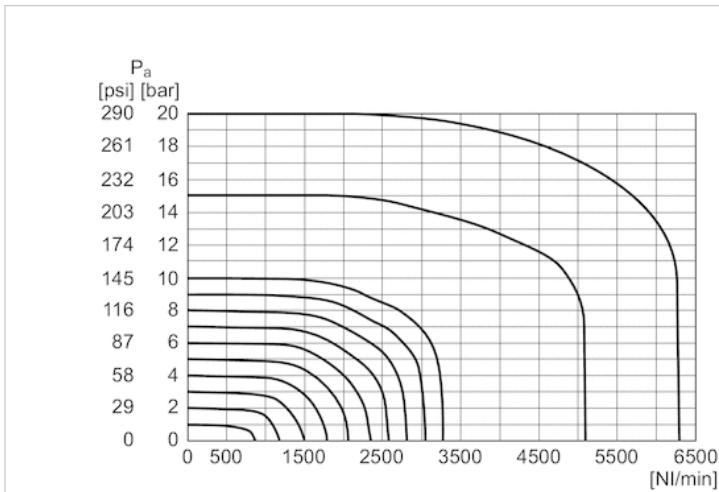
- 1) Operating pressure
- 2) Working pressure
- 3) Exhaust
- 4) Flat gasket
- 5) Accessories not supplied

Mounting orientation



Diagrams

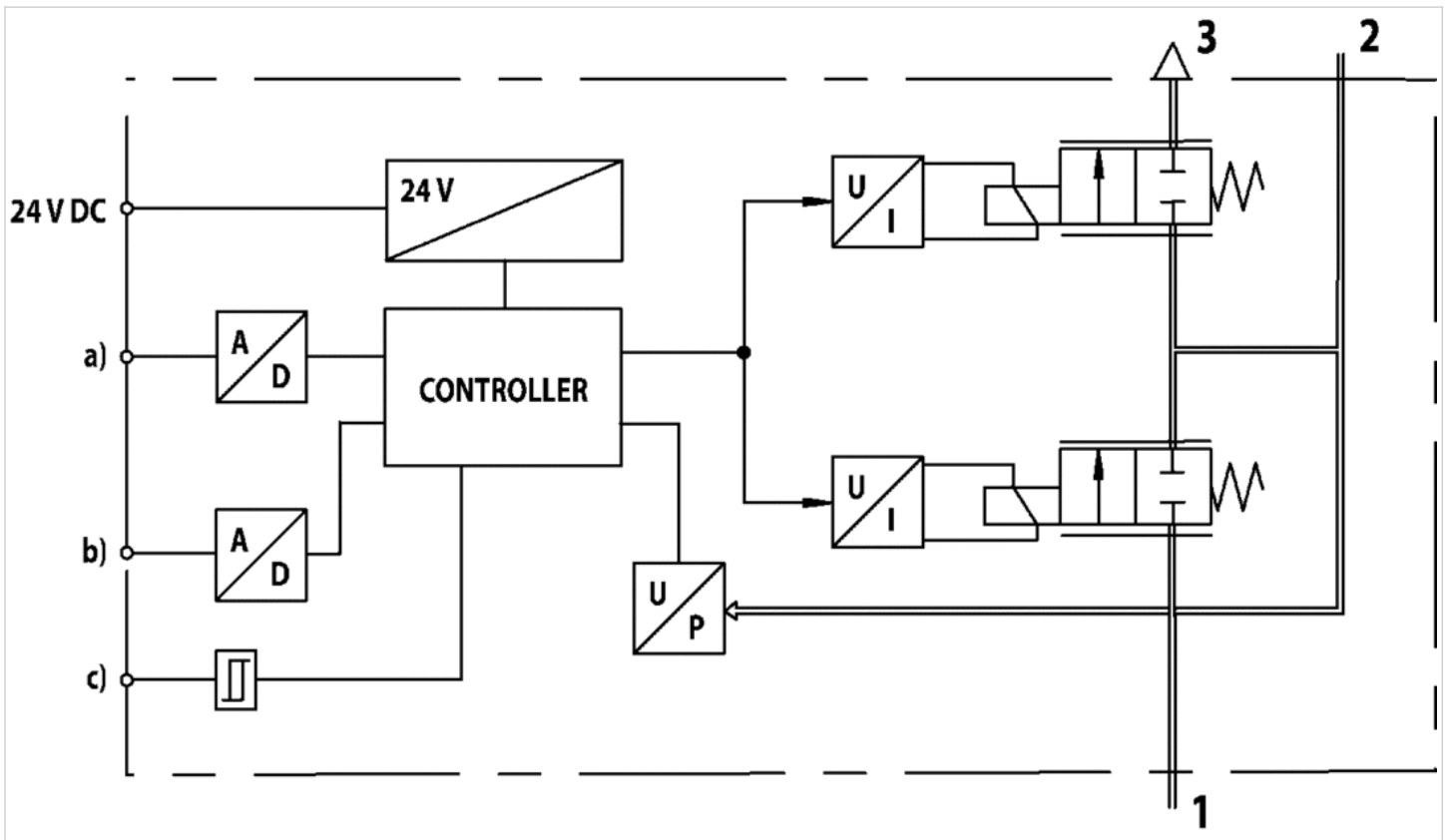
Flow diagram



$P_a$  = Working pressure

Circuit diagram

Functional diagram

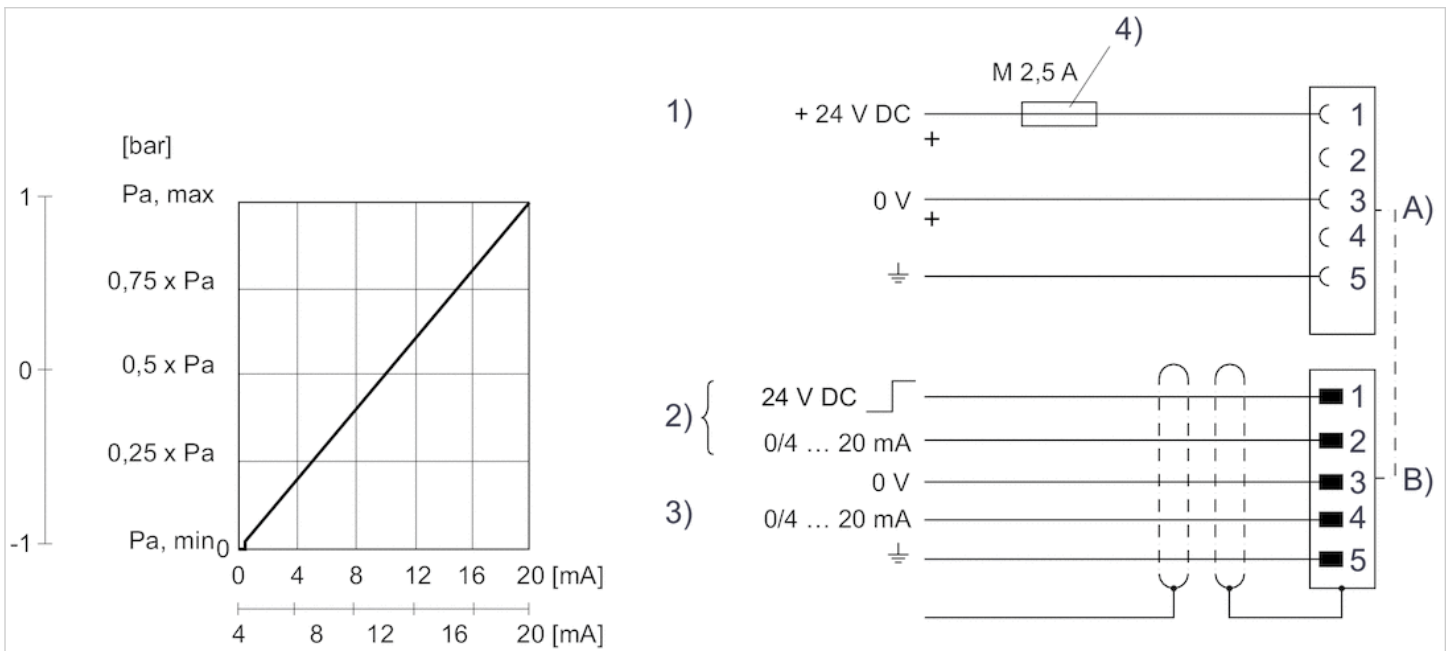


- a) Nominal input value
- b) Actual output value
- c) Switch output (acknowledge signal)

The E/P pressure control valve modulates the pressure corresponding to an analog electrical nominal input value.

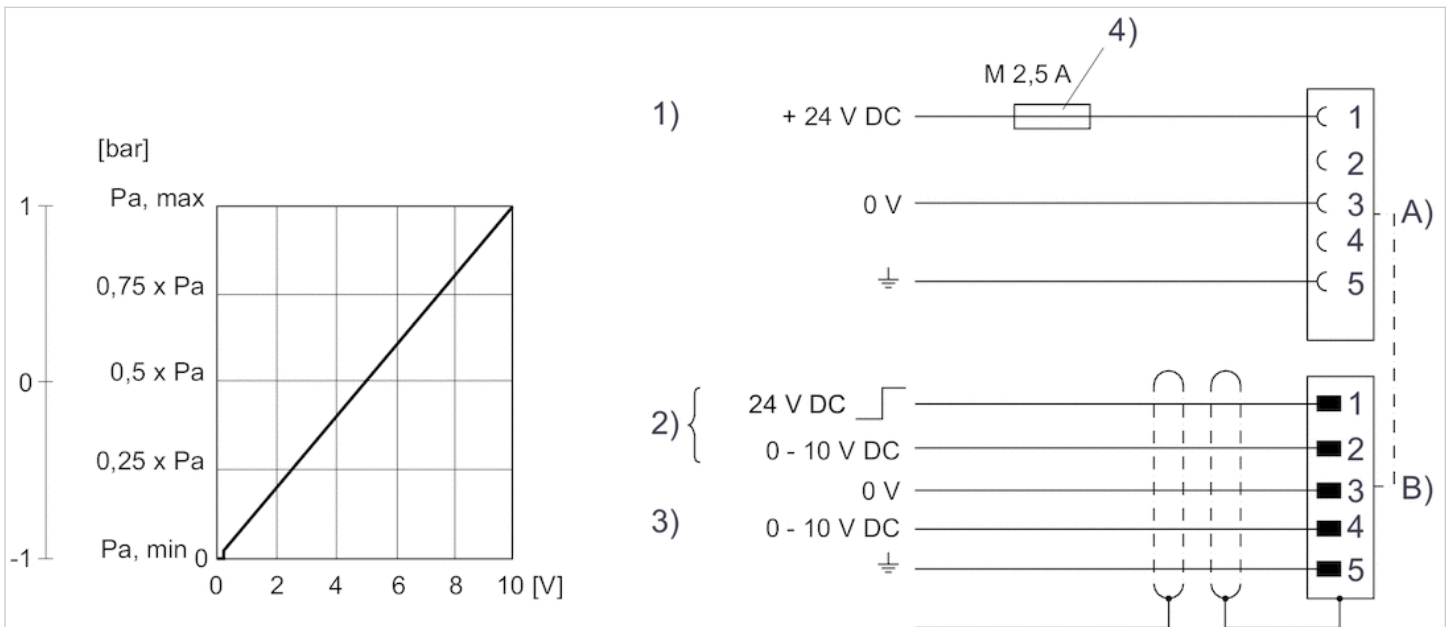
- 1) Operating pressure
- 2) Working pressure
- 3) Exhaust

Fig. 1 Characteristic and pin assignment for current control with actual output value



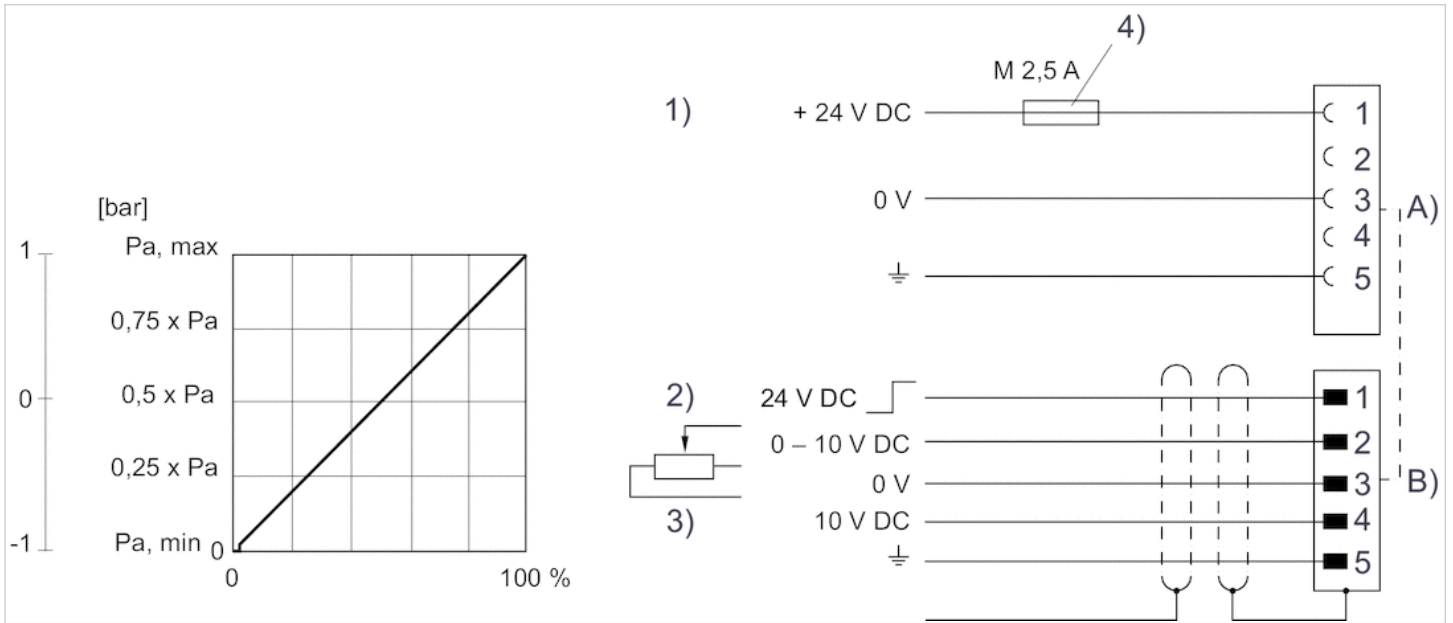
- 1) Supply Voltage
  - 2) Switch output (pin 1) and nominal value (pin 2) are related to 0 V. Input current nominal value (ohmic load 100 Ω).
  - 3) Actual value (pin 4) is related to 0 V (max. total resistance of downstream devices 300 Ω).
  - 4) The operating voltage must be protected by an external M 2.5 A fuse.
- Connect plug X2M via a shielded cable to ensure EMC.  
 A) Plug X1S B) Plug X2M

Fig. 2 Characteristic and pin assignment for voltage control with actual output value



- 1) Supply Voltage
  - 2) Switch output (pin 1) and nominal value (pin 2) are related to 0 V.
  - 3) Actual value (pin 4) is related to 0 V (min. load resistance 1 kΩ).
  - 4) The operating voltage must be protected by an external M 2.5 A fuse.
- Connect plug X2M via a shielded cable to ensure EMC.  
 A) Plug X1S B) Plug X2M

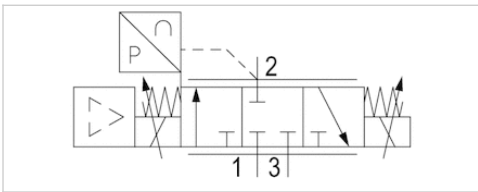
Fig. 3 Characteristic and pin assignment for potentiometer control without actual output value



- 1) Supply Voltage
  - 2) Switch output (pin 1) and nominal value (pin 2) are related to 0 V.
  - 3) Potentiometer control (min. 0-2 kΩ, max. 0-10 kΩ)
  - 4) The operating voltage must be protected by an external M 2.5 A fuse.
- Connect plug X2M via a shielded cable to ensure EMC.
- A) Plug X1S B) Plug X2M

# E/P pressure regulator, Series ED07

- External sensor input (pressure, flow or force sensor)
- $Q_n = 1.32 \text{ Cv}$
- Electr. connection Plug, M12, 5-pin
- Signal connection input and output, Plug, M12, 5-pin



Version	Poppet valve
Mounting orientation	$\alpha = 0 \dots 90^\circ \pm \beta = 0 \dots 90^\circ$
Certificates	CE declaration of conformity
Ambient temperature min./max.	41 ... 122 °F
Medium temperature min./max.	41 ... 122 °F
Medium	Compressed air
Max. particle size	50 $\mu\text{m}$
Oil content of compressed air	1 mg/m <sup>3</sup>
Nominal flow $Q_n$	1.32 Cv
Control	Analog
DC operating voltage	24 V
Voltage tolerance DC	-20% / +30%
Hysteresis	0.435 psi, 0.435 psi
Permissible ripple	5%
Max. power consumption	1400 mA
Protection class	IP65
	Nominal flow $Q_n$ with working pressure 101.5 psi , with secondary pressure 87 psi and $\Delta p = 2.9 \text{ psi}$

## Technical data

Part No.	Nominal input value	Actual output value	Control
	Min./max.	Min./max.	
R414009800	4 ... 20 mA	4 ... 20 mA	Analog

Minimum working pressure = 7.25 psi + max. required secondary pressure, Additional pressure setting ranges available on request

## Technical information

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 27 °F under ambient and medium temperature and may not exceed 5.4 °F .  
 The oil content of compressed air must remain constant during the life cycle.  
 Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

With oil-free, dry air, other installation positions are possible on request.

The protection class is only ensured when the plug is mounted properly. For detailed information, see operating instructions.  
 If the external sensor fails, the pressure regulator can open fully and the maximum permissible pressure in your system may be exceeded.

The short-circuit-resistant switch output (X2M pin 1) switches to +U<sub>b</sub> when the regulated pressure is within the tolerance range of  $\pm 200 \text{ mbar}$  for at least 100 ms (applies to external sensor 0 – 10 bar).

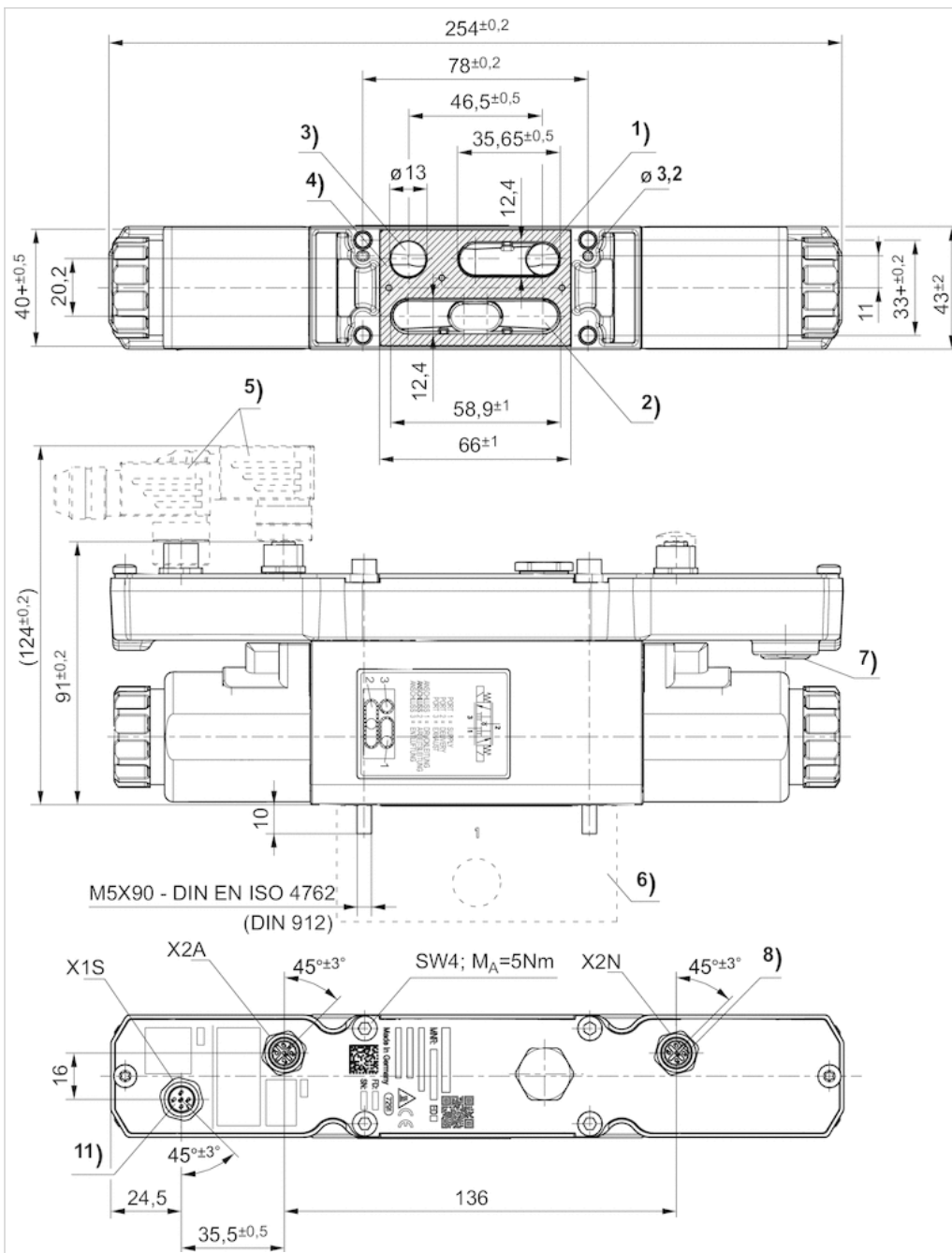
The supply pressure is controlled when the set point is applied but the external sensor's signal is missing (e.g. wire break).  
 Set up appropriate measures to ensure fail-safe behavior even in case of failure of the external sensor.

# Technical information

Material	
Housing	Die-cast aluminum, Steel
Seals	Hydrogenated acrylonitrile butadiene rubber

## Dimensions

### Dimensions

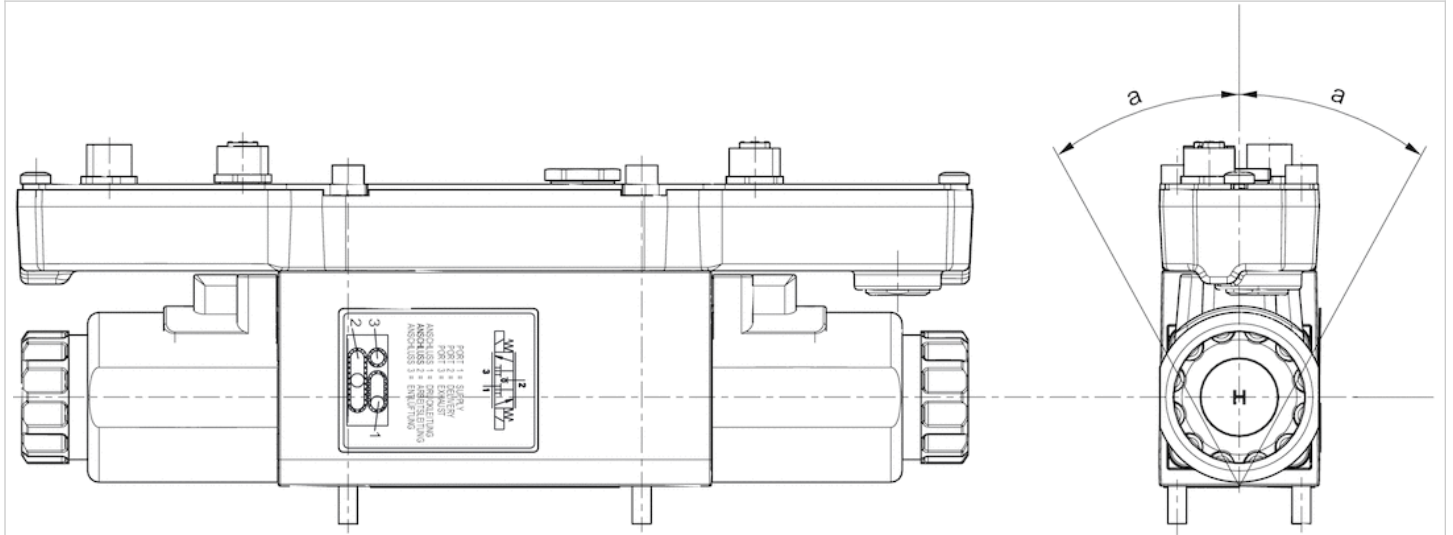


- 1) Operating pressure
- 2) Working pressure
- 3) Exhaust
- 4) Flat gasket
- 5) Accessories not supplied



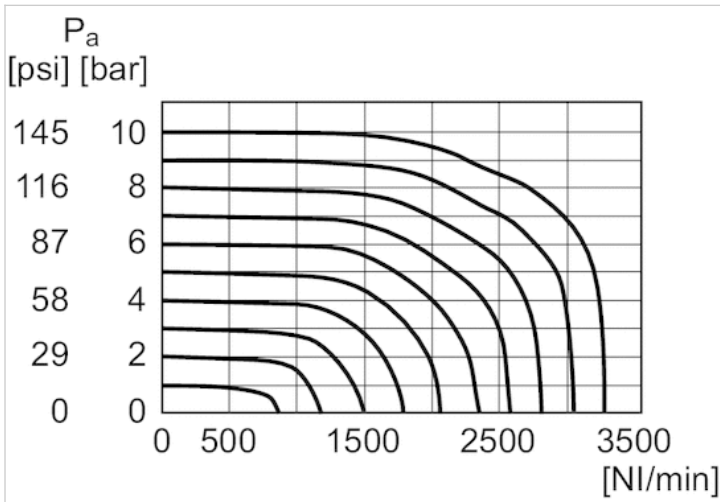
- 6) Base plate not included in the scope of delivery
- 7) Gore membrane
- 8) Plug

### Mounting orientation



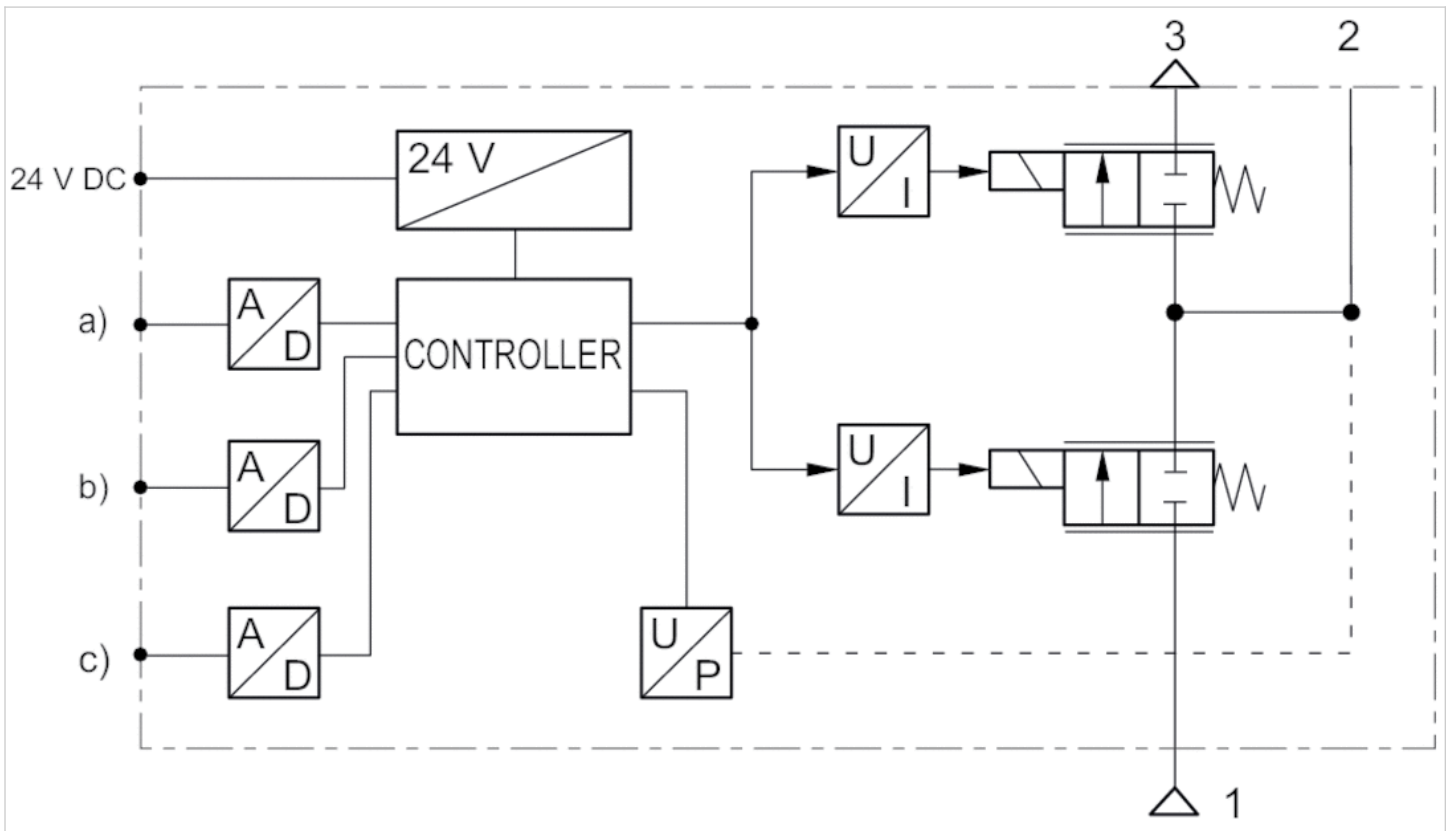
### Diagrams

#### Flow diagram



Circuit diagram

Functional diagram



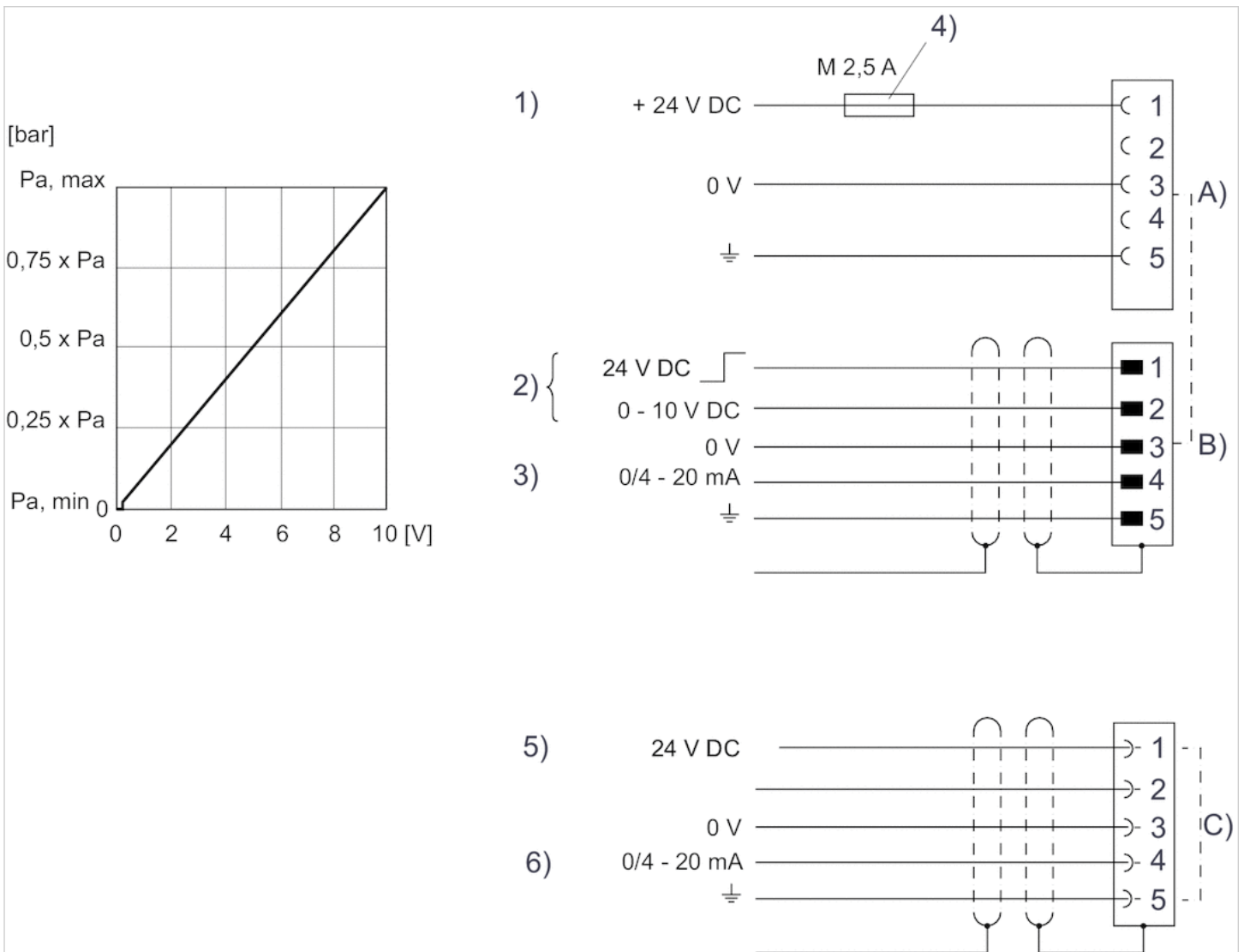
- a) Nominal input value (w)
- b) Actual output value (x)
- c) External sensor input (ext)

The E/P pressure control valve modulates the pressure corresponding to an analog electrical nominal input value.

- 1) Operating pressure
- 2) Working pressure
- 3) Exhaust

Connect plugs X2A and X2N via a shielded cable to ensure EMC.

Characteristic and pin assignment for current control with actual output value and external



1) Supply voltage 2) Switch output (pin 1) and set point (pin 2) are related to 0 V. 3) Actual value (pin 4) is related to 0 V (external resistance min. 10 kilohms) 4) The supply voltage must be protected by an external fuse M 2.5 A. Connect plugs X2A and 2XN via a shielded cable to ensure EMC. If a supply voltage of 1 megaohm is applied, the voltage input value is high-ohmic.

5) Supply voltage for external sensor 6) External sensor input is related to 0 V. If the supply voltage is switched off, the voltage input value is high-ohmic. If the supply voltage is switched on, the voltage input value is 1 megaohm.

# Single subbase, Series ED07

- standard ISO 15407-1



Standards

Medium

Weight

ISO 15407-1

Compressed air

1.24 lbs

## Technical data

Part No.

5610211052

## Technical information

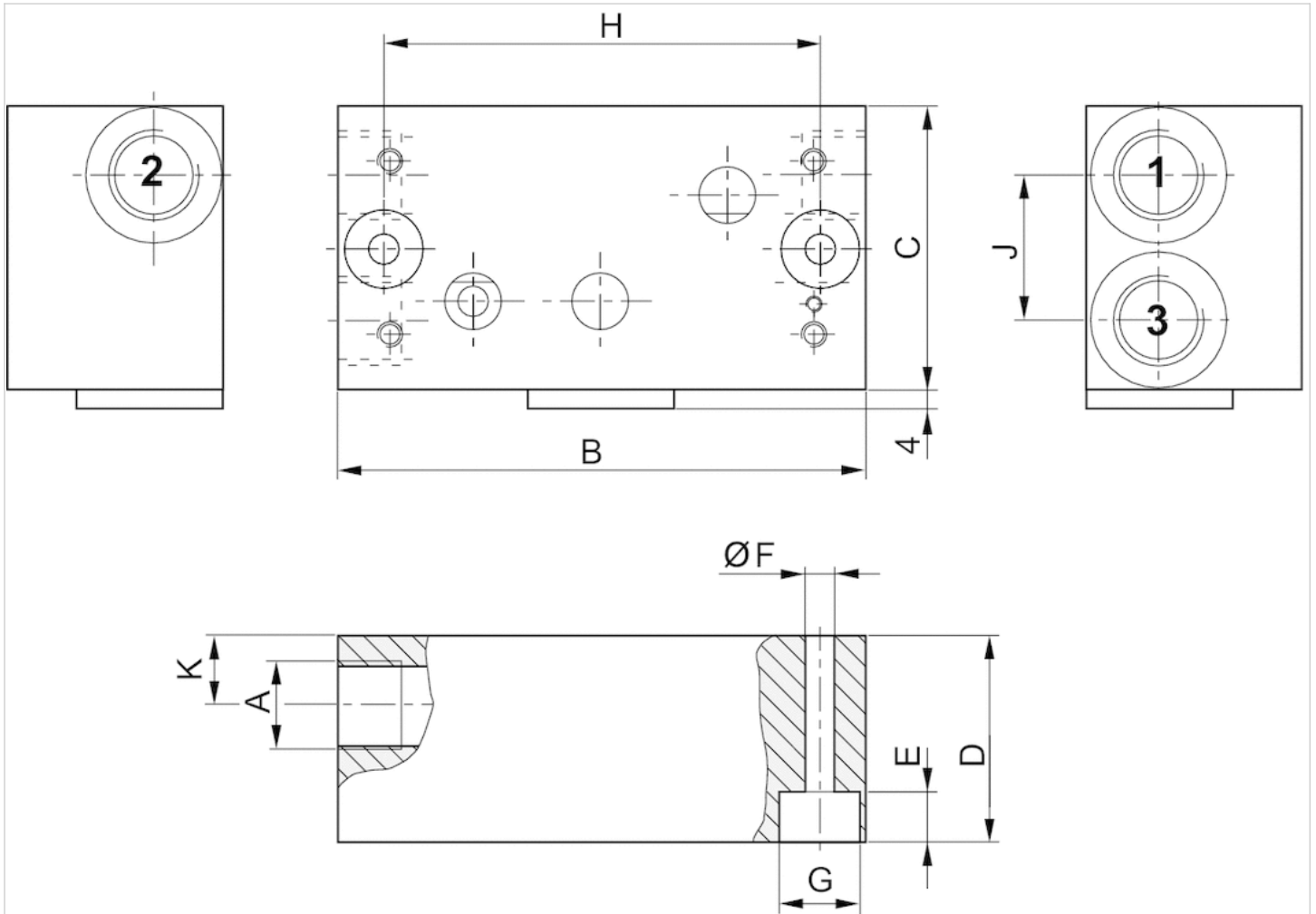
Material

Base plate

Aluminum

## Dimensions

### Dimensions



## Dimensions

Part No.	A	B	C	D	E	F	G	H	J	K
5610211052	G 3/8	97	54	40	10	6.5	15	80	28	13.5

# Subbase, Series ED07



Working pressure min./max.	0 ... 174 psi
Medium	Compressed air
Weight	1.57 lbs

## Technical data

Part No.	Type
5610231002	ED07 subbase with push-in fitting Ø 12 and silencer

## Technical information

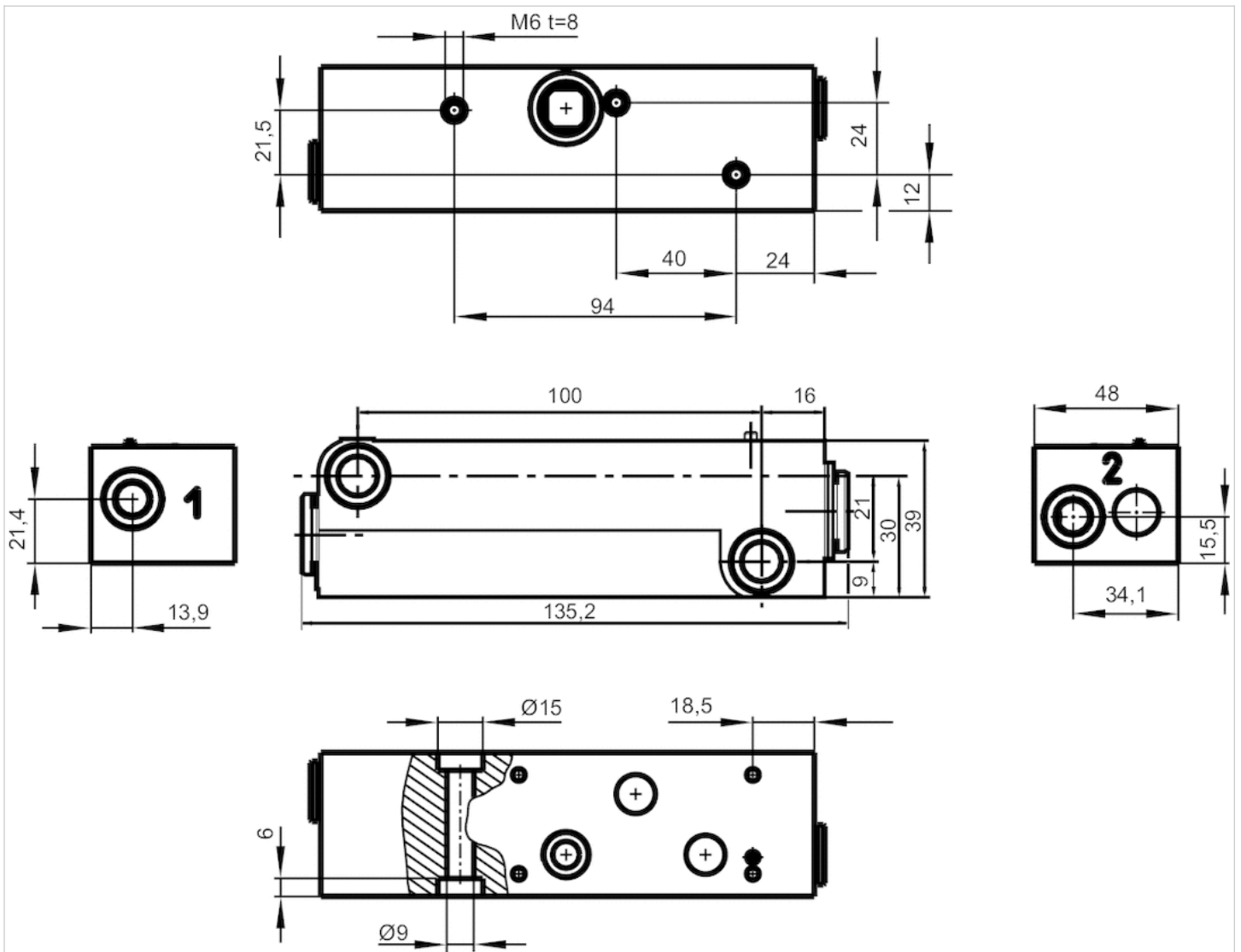
For ED07 pressure regulators with pressure range 232 psi / 290 psi , only subbase ED07 (material no.: 5610211052) may be used.

## Technical information

Material	
Base plate	Aluminum

# Dimensions

## Dimensions



# Base plate, Series ED07



Medium  
Weight

Compressed air  
0.999 lbs

## Technical data

Part No.	Type
8985049932	ISO 5599-1, size 1

Delivery contents: includes screws and seals for linking.

## Technical information

The sandwich plate can be combined with size 1 sandwich plates according to DIN ISO 5599.

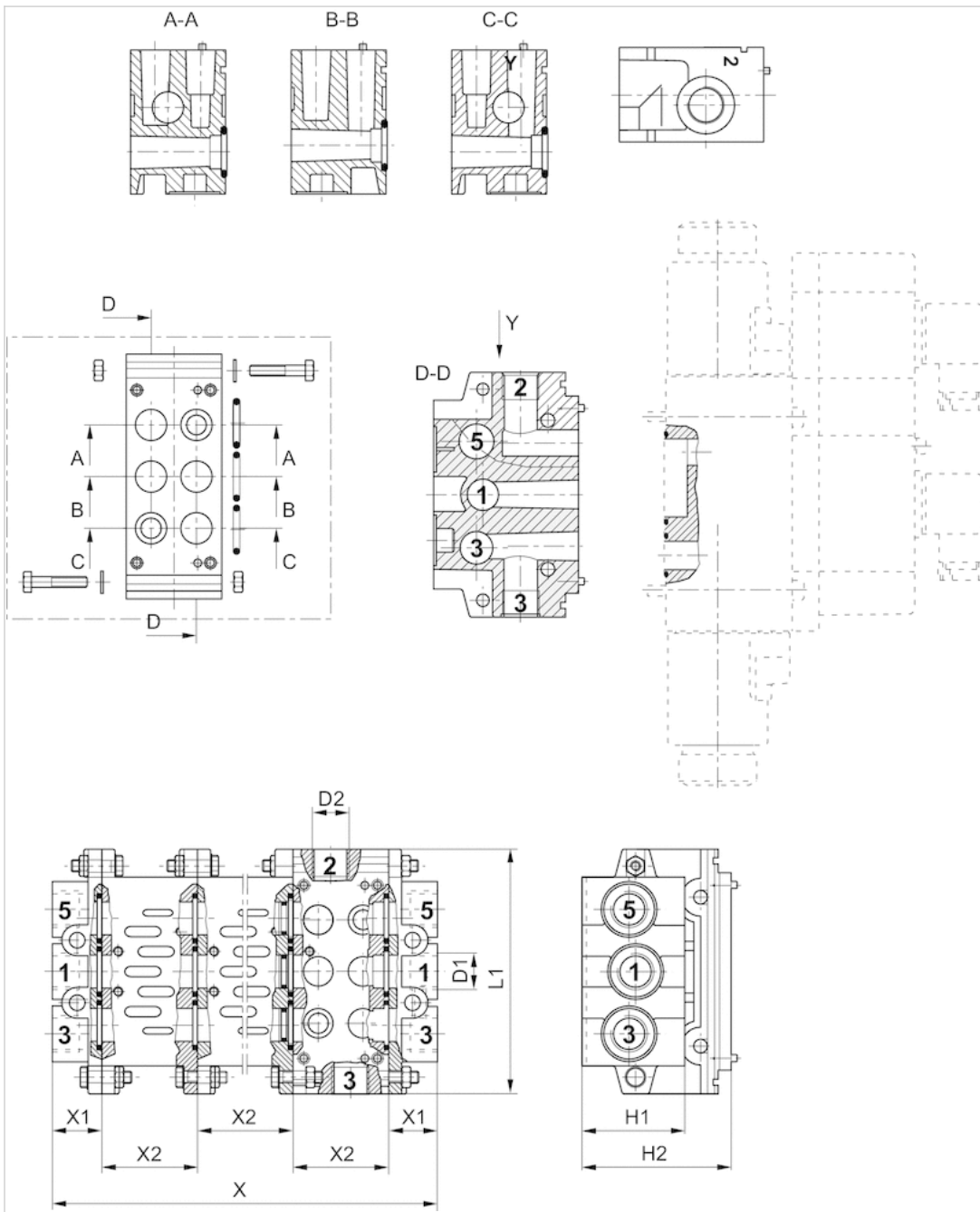
## Technical information

Material	
Base plate	Aluminum



## Dimensions

### Dimensions



## Dimensions

Part No.	D1	D2	L1	H1	H2	X1	X2
8985049932	G 3/8	G 3/8	110	46	67	22	43

# End plate left, End plate right

- standard ISO 5599-1
- Frame size ISO 1, ISO 2, ISO 3, ISO 4
- type F
- Can be assembled into blocks
- Base plate principle, multiple
- Reversed pressure supply permissible



Standards	ISO 5599-1
Compressed air connection	according to ISO 5599-1
Working pressure min./max.	-13 ... 232 psi
Ambient temperature min./max.	-13 ... 158 °F
Medium temperature min./max.	-13 ... 158 °F
Medium	Compressed air
Direction of pneumatic port (1)	On the side
Direction of pneumatic port (3,5)	On the side
Exhaust (3,5)	With directional exhaust (3/5)
Exhaust type	Ports separated
Weight	See table below

## Technical data

Part No.	Frame size	Compressed air connection Input [1]	Compressed air connection Exhaust [3 / 5]	Weight
1825503145	ISO 1	G 3/8	G 3/8	0.458 lbs
1825503148	ISO 2	G 1/2	G 1/2	0.774 lbs
1825503151	ISO 3	G 1	G 1	1.49 lbs
8985041442	ISO 4	G 1	G 1	2.91 lbs

Scope of delivery: 2 end plates including seal and mounting screws

## Technical information

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 27 °F under ambient and medium temperature and may not exceed 5.4 °F .

The oil content of compressed air must remain constant during the life cycle.

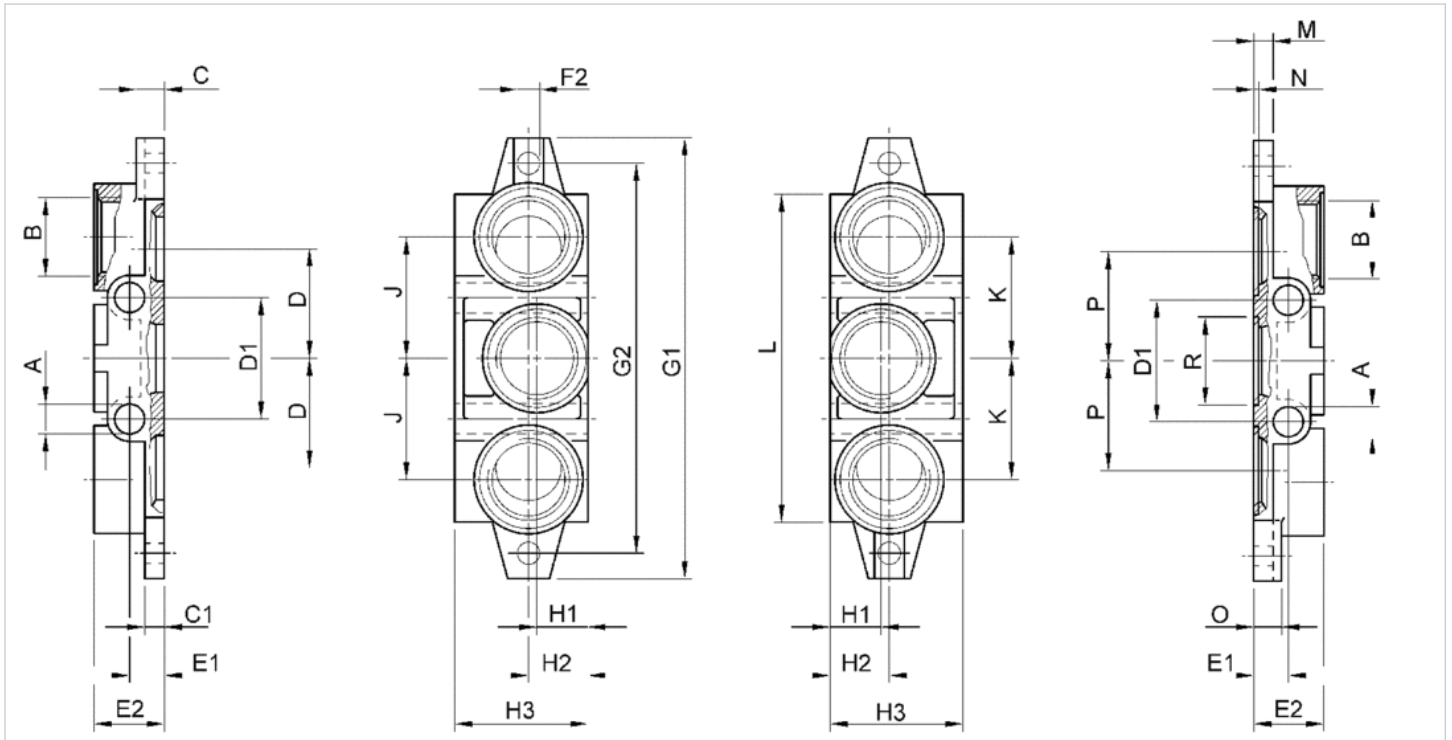
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

## Technical information

Material	
Base plate	Die-cast aluminum
Seal	Acrylonitrile butadiene rubber

## Dimensions

### Dimensions



## Dimensions

Part No.	A	B	C	C1	D	D1	E1	E2	F2	G1	G2	H1	H2	H3	J	K	L	M	N	O	P
1825503145	7	G 3/8	8	6	24	28	11	22	Ø 5,5	110	95	22	22	46	28	28	85	6	2	8	24
1825503148	9	G 1/2	11	8	31,5	35	13	26	Ø 6,6	135	115	23	24	47	34	34	100	8	2	11	31,5
1825503151	12	G 1	12	8	47	52	15	32	Ø 9	190	168	22	25	56	52	52	140	8	2,7	12	47
8985041442	12	G 1	19	12	54	56	15	30	Ø 11	215	148	30	30	58	54	54	-	12	2,7	19	54

R

Ø 22,1

Ø 28,7

Ø 38

Ø 44,1

# End plates left and right

- standard ISO 5599-1
- for ED07



Standards  
Medium

ISO 5599-1  
Compressed air

## Technical data

Part No.

5619021072

Delivery contents: includes screws and seals for linking.

## Technical information

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 27 °F under ambient and medium temperature and may not exceed 5.4 °F .  
 The oil content of compressed air must remain constant during the life cycle.  
 Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

## Technical information

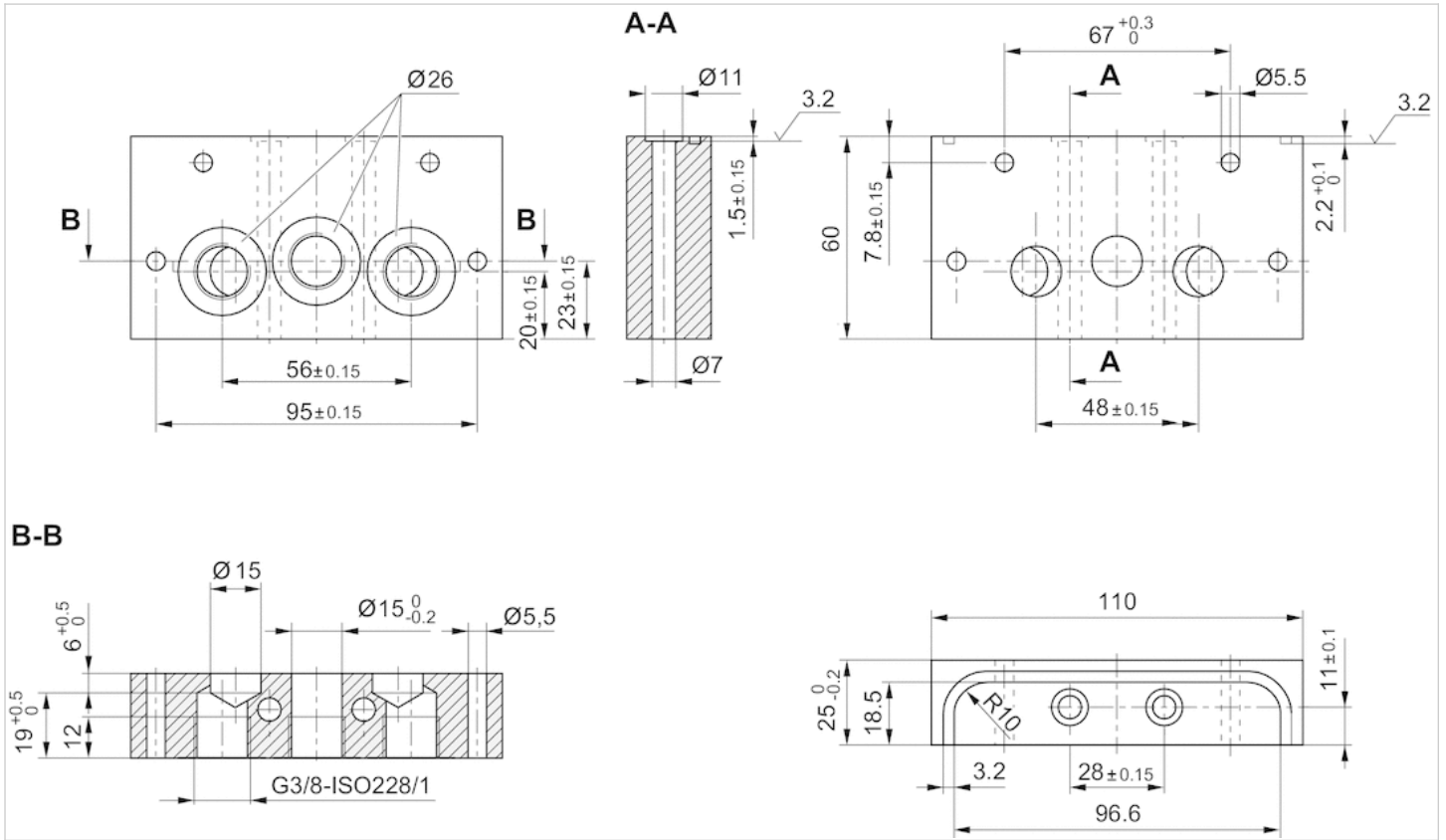
Material

Housing

Aluminum

# Dimensions

## Dimensions



# Round plug connector, Series CON-RD

- Socket, M12x1, 5-pin, A-coded, angled, 90°
- for CANopen
- UL (Underwriters Laboratories)
- shielded



Connection type	Screws
Ambient temperature min./max.	-40 ... 185 °F
Operational voltage	48 V, AC/DC
Protection class	IP67
Weight	0.159 lbs

## Technical data

Part No.	Max. current	suitable cable-Ø min./max
1824484029	4 A	0.24 / 0.31 inch

## Technical information

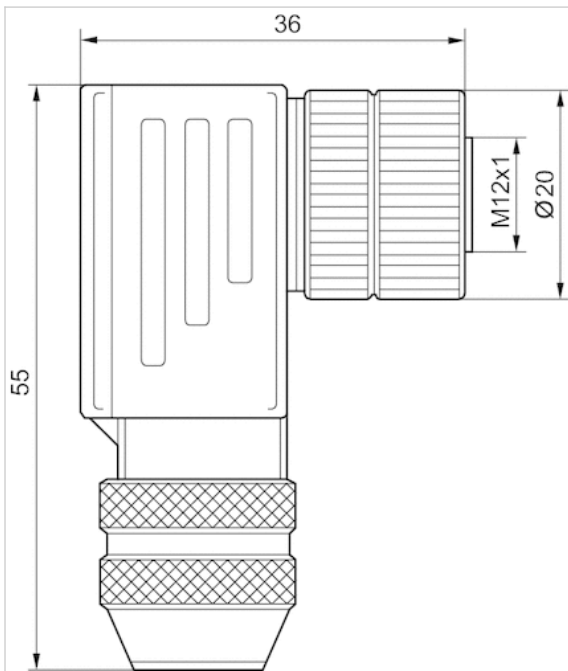
The specified protection class is only valid in assembled and tested state.

## Technical information

Material	
Housing	Die cast zinc

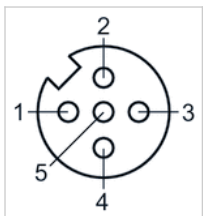
## Dimensions

### Dimensions



## Pin assignments

### Pin assignment socket



# Round plug connector, Series CON-RD

- Plug, M12x1, 5-pin, A-coded, angled, 90°
- for CANopen
- UL (Underwriters Laboratories)
- shielded



Connection type	Screws
Ambient temperature min./max.	-40 ... 185 °F
Operational voltage	48 V, AC/DC
Protection class	IP67
Weight	0.15 lbs

## Technical data

Part No.	Max. current	suitable cable-Ø min./max
1824484028	4 A	0.24 / 0.31 inch

## Technical information

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

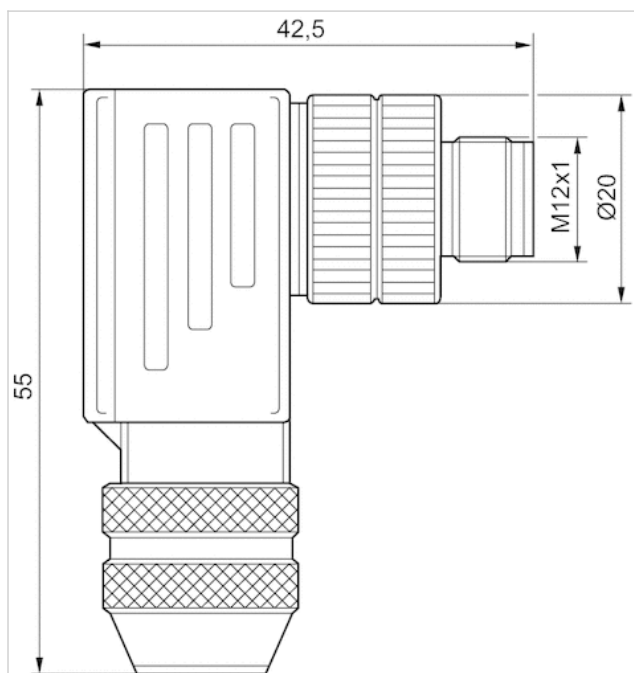
## Technical information

Material	
Housing	Brass, nickel-plated



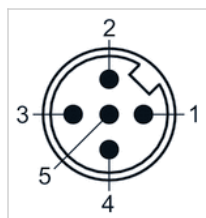
## Dimensions

### Dimensions



## Pin assignments

### Plug pin assignment



# Round plug connector, Series CON-RD

- Socket, M12x1, 5-pin, A-coded, angled, 90°
- open cable ends
- with cable
- shielded



Ambient temperature min./max.	-13 ... 176 °F
Operational voltage	48 V, AC/DC
Protection class	IP67
Wire cross-section	0 in <sup>2</sup>
Weight	See table below

## Technical data

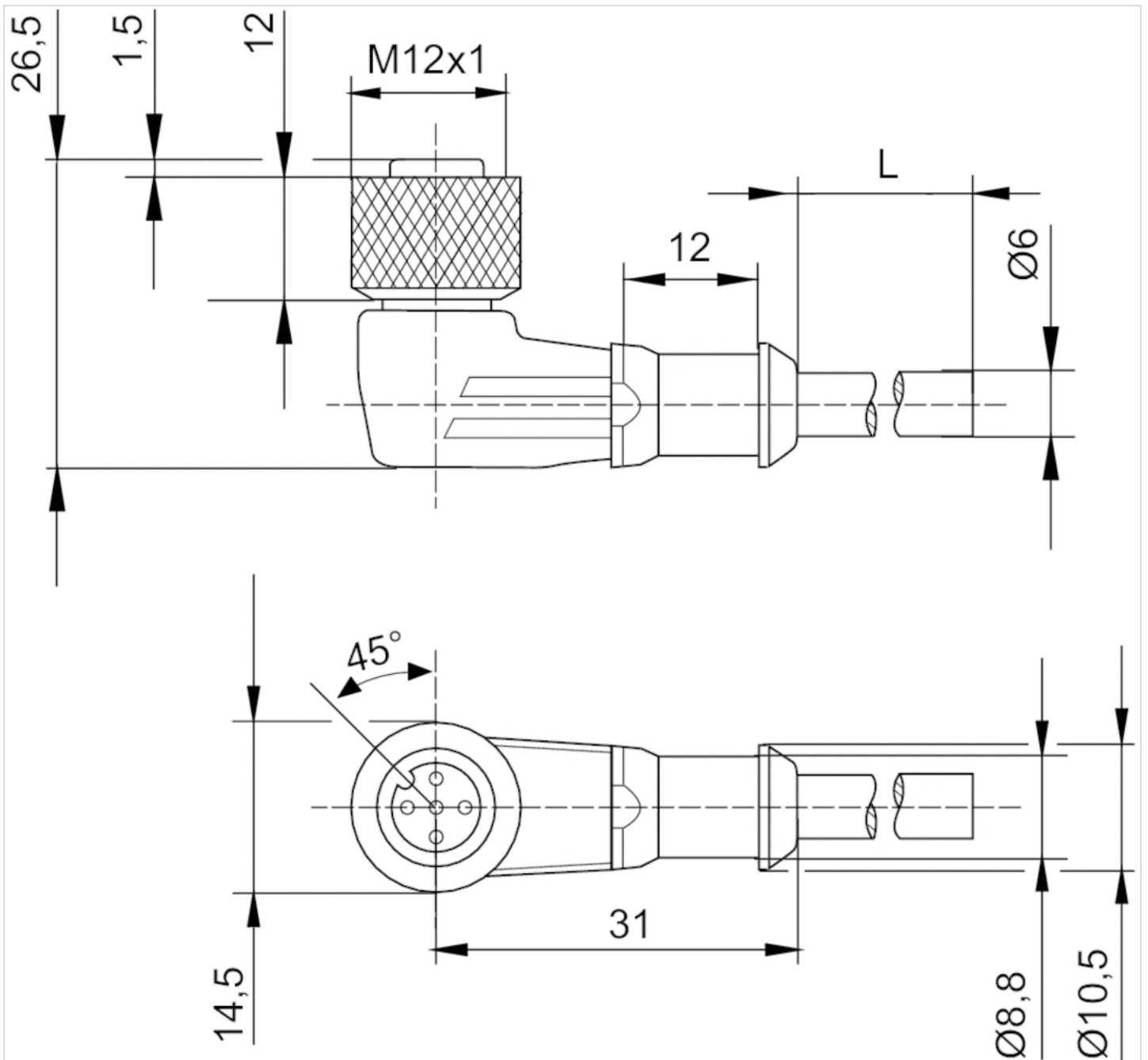
Part No.	Max. current	Number of wires	Cable-Ø	Cable length	Weight
R419800109	4 A	5	0.24 inch	8.2 ft.	0.337 lbs
R419800110	4 A	5	0.24 inch	16.4 ft.	0.628 lbs
R419800546	4 A	5	0.24 inch	32.81 ft.	1.19 lbs

## Technical information

Material	
Housing	Thermoplastic elastomer
Cable sheath	Polyurethane

Dimensions

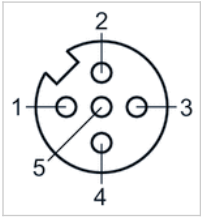
Dimensions



L = length

## Pin assignments

### Pin assignment socket



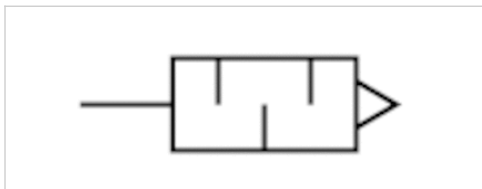
- (1) BN=brown
- (2) WH=white
- (3) BU=blue
- (4) BK=black
- (5) GRN-Y=green-yellow

# Silencers, series SI1

- Sintered bronze



Working pressure min./max.	0 ... 145 psi
Ambient temperature min./max.	-13 ... 176 °F
Medium	Compressed air
Sound pressure level	84 dB
Weight	0.11 lbs
Comment	Flow characteristic curves can be found under "Diagrams".



## Technical data

Part No.	Compressed air connection	Flow	Delivery unit
		Qn	
1827000002	G 3/8	5.9 Cv	5 piece

Weight per piece

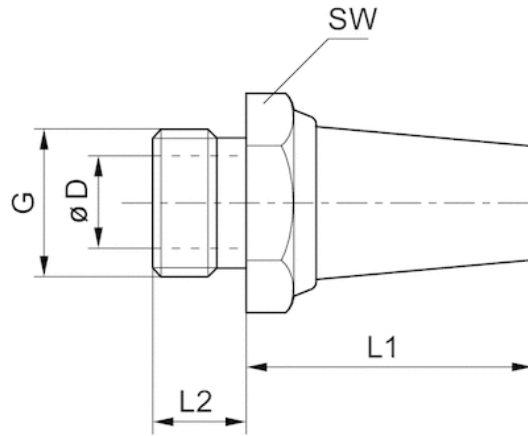
Nominal flow Qn at p1 = 87 psi (absolute) freely discharged. Sound pressure level measured at 87 psi against atmosphere at 3.281 ft. distance.

## Technical information

Material	
Silencers	Sintered bronze
Thread	Brass

## Dimensions

### Dimensions

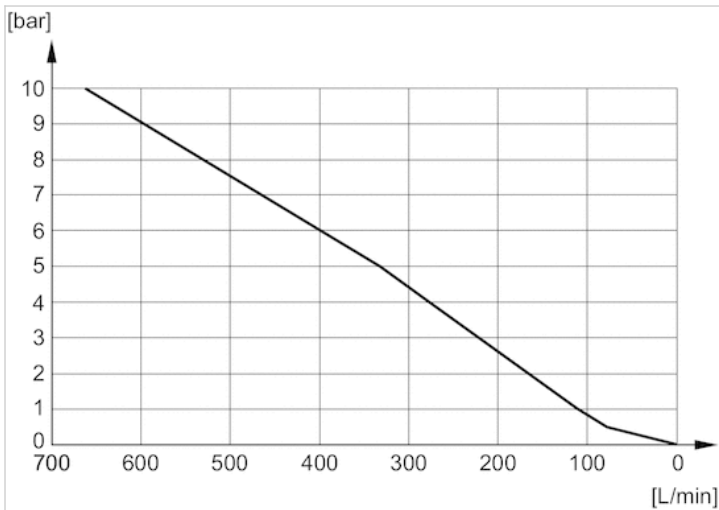


## Dimensions

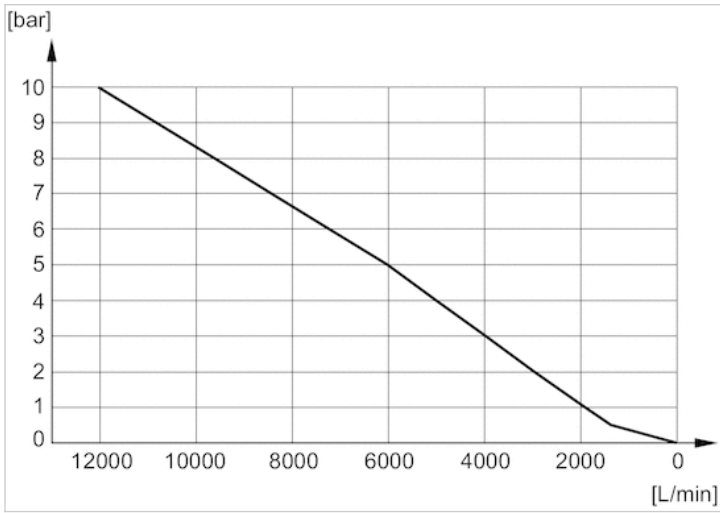
Part No.	Port G	SW	ø D	L1	L2
1827000002	G 3/8	22	12	34	10

## Diagrams

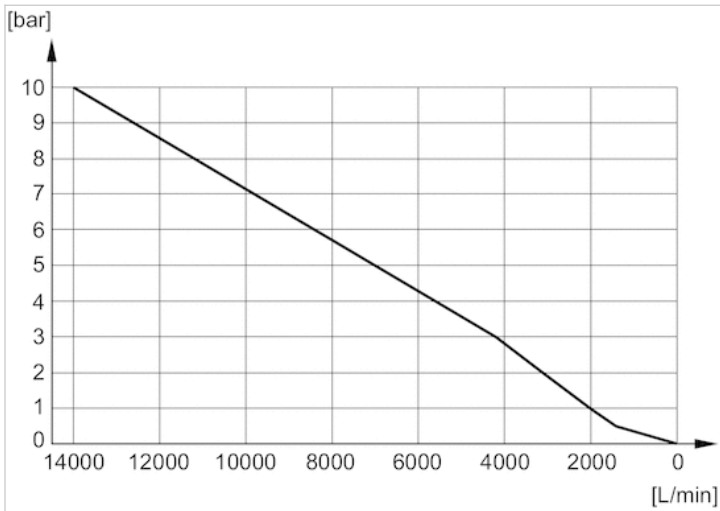
### Flow diagram 1827000006



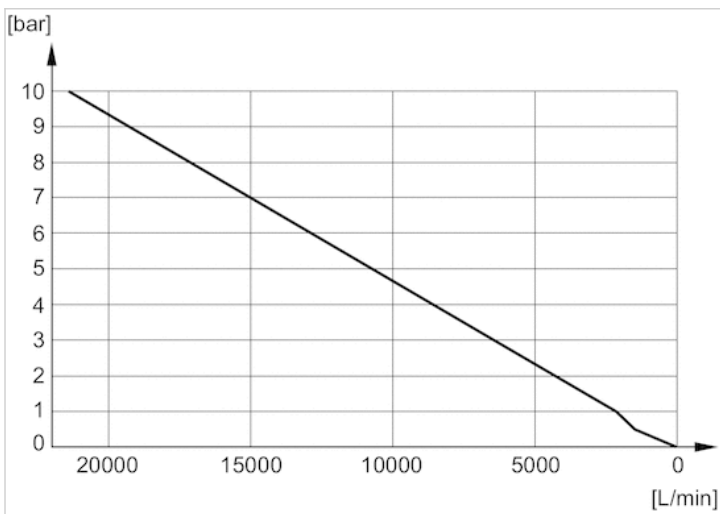
Flow diagram 1827000003



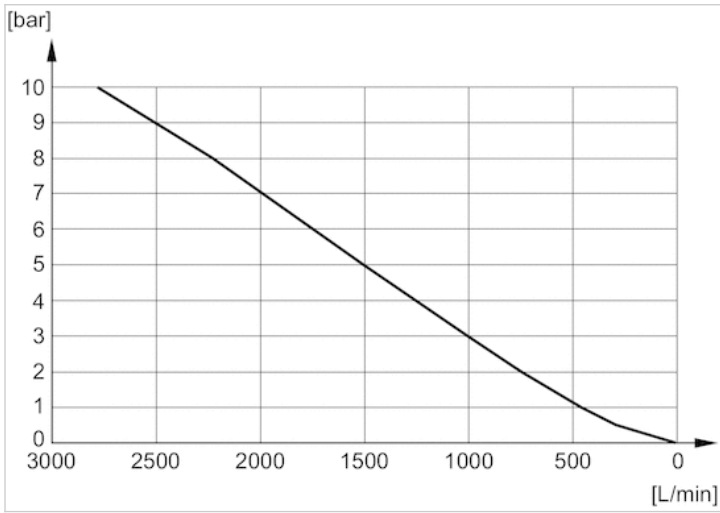
Flow diagram 1827000004



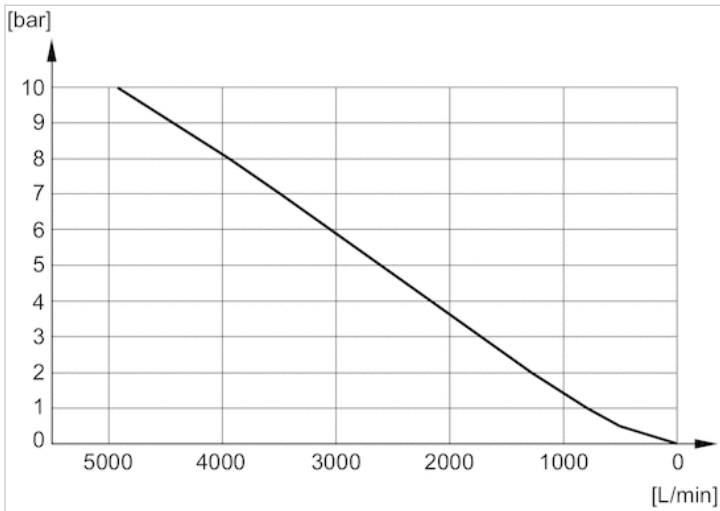
Flow diagram 1827000005



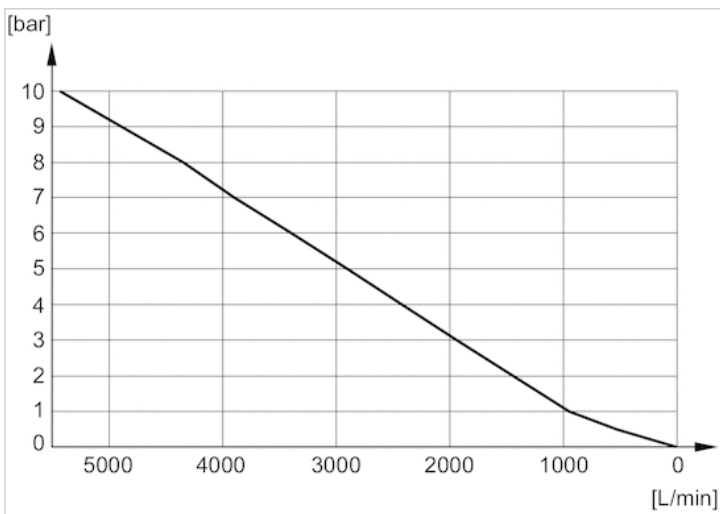
Flow diagram 5324001110



Flow diagram 5324001170

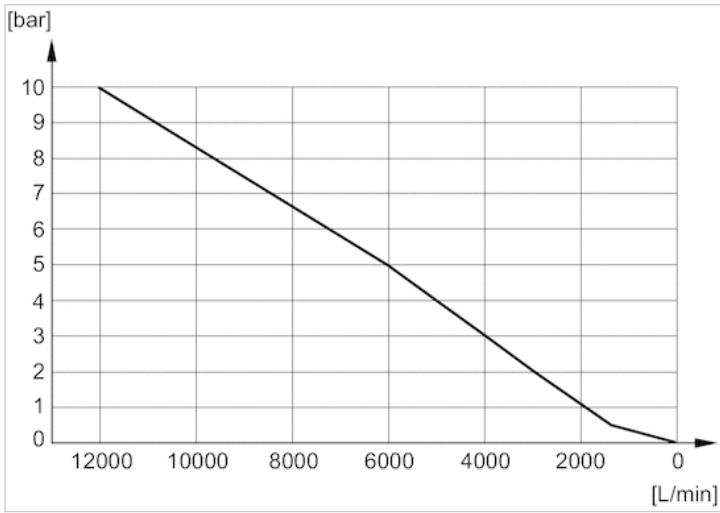


Flow diagram 5324001120

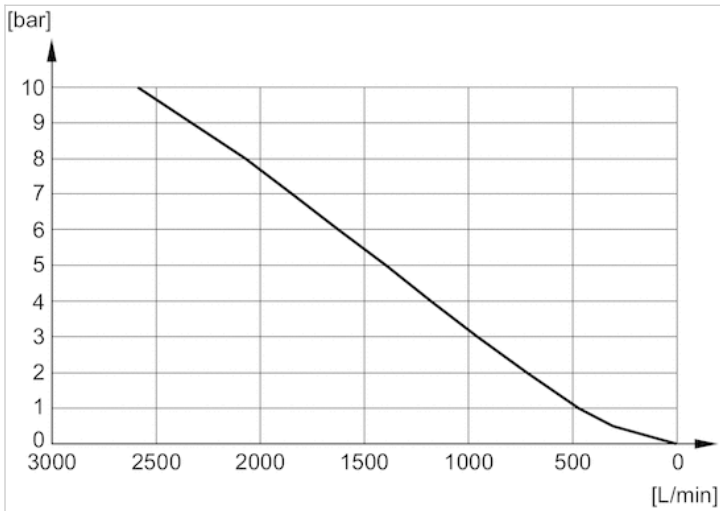




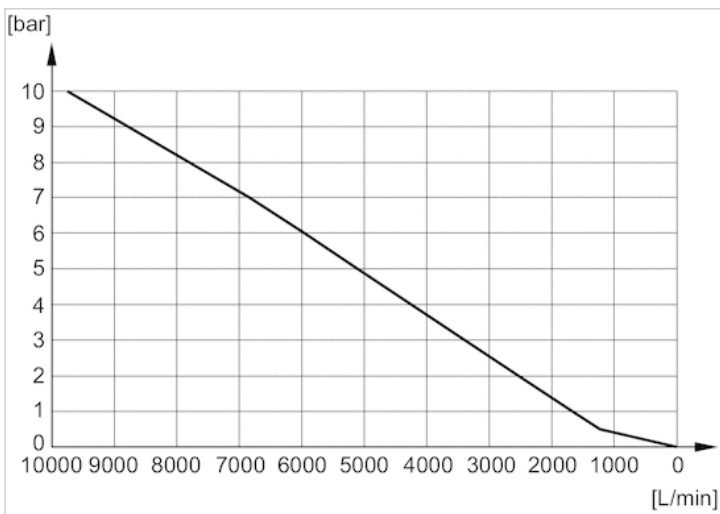
Flow diagram 5324001140



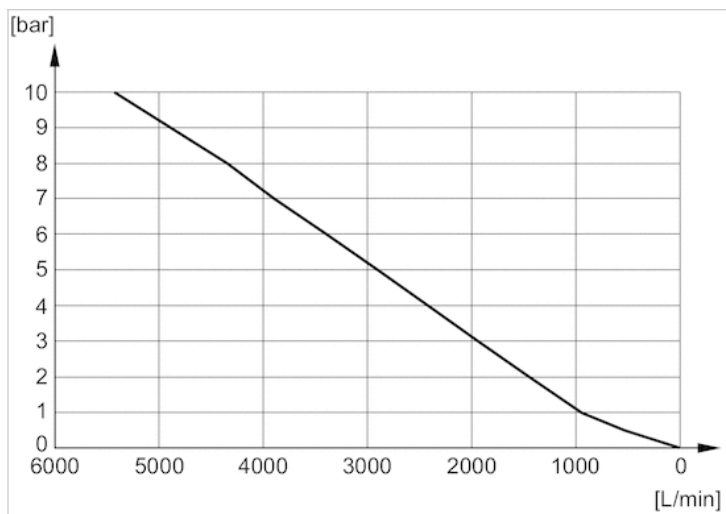
Flow diagram 1827000000



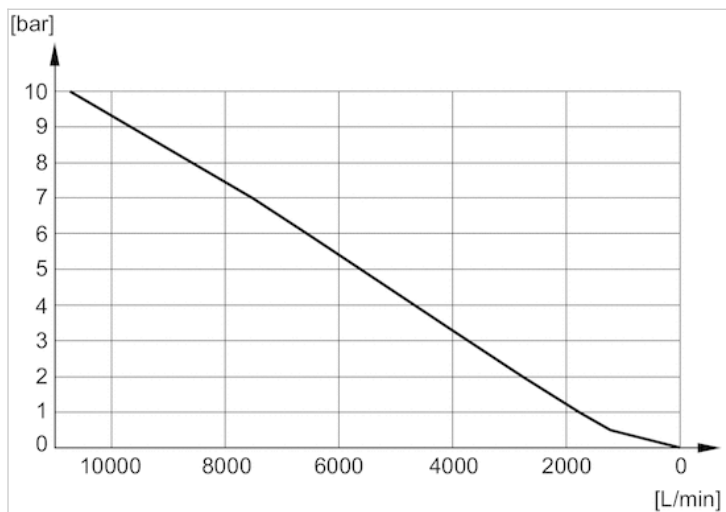
Flow diagram R412004817



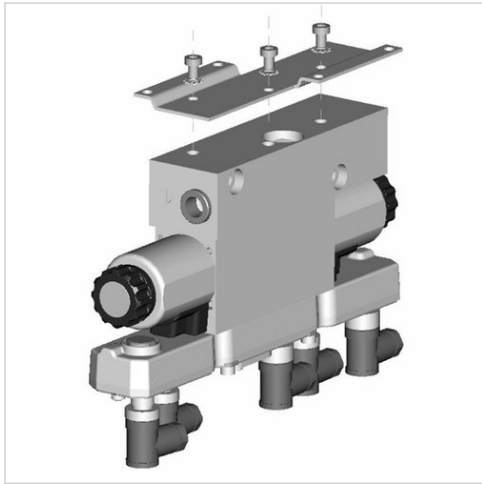
Flow diagram 1827000001



Flow diagram 1827000002



# Coupling kit, Series ED07



Weight

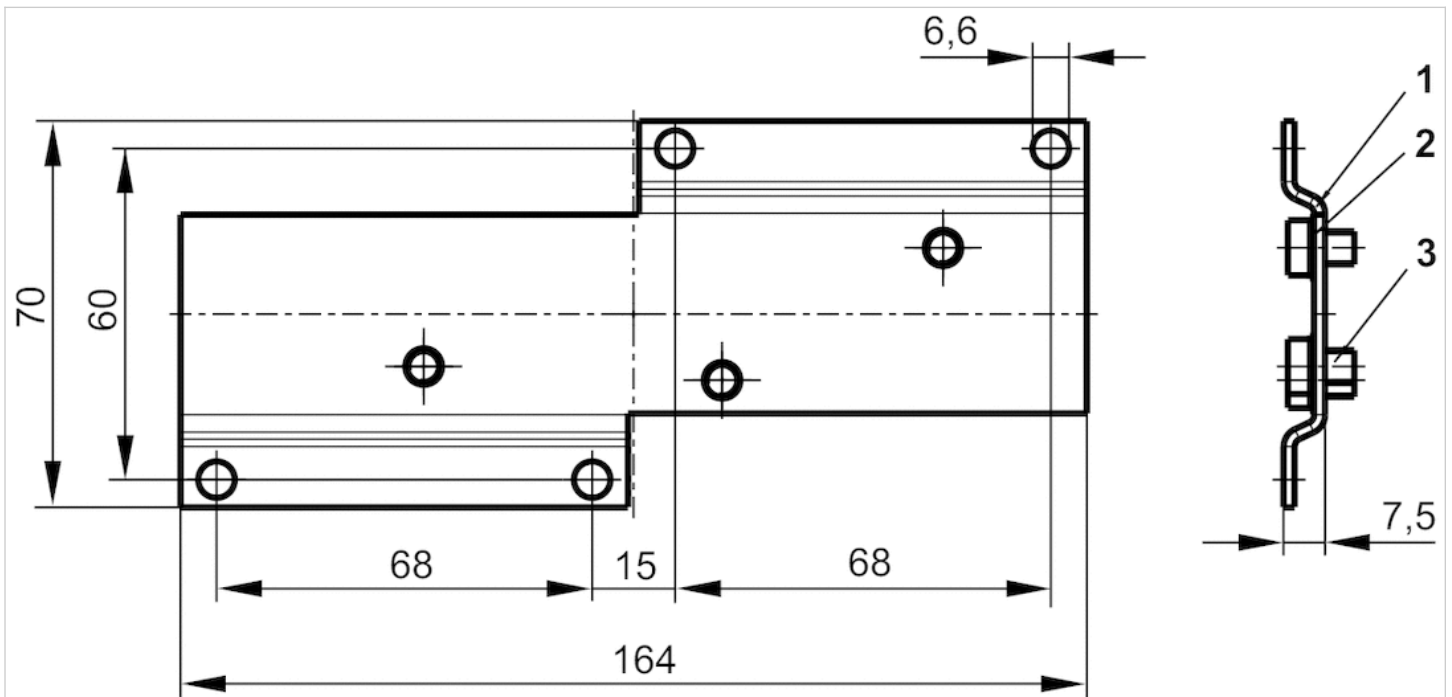
0.313 lbs

## Technical data

Part No.	Type
5530010522	Sheet metal for mounting of ED07 flat subbase

## Dimensions

### Dimensions



1) mounting plate 2) screw DIN 6912 3) tooth lock washer DIN 6797-A

# Gasket, Series ED07



Weight

0.139 lbs

## Technical data

Part No.	Type
R414001681	1 gasket and 4 screws DIN 912 - M5x90

## Dimensions

