

Series ED12



AVENTICS™

**AVENTICS ED12 Dynamic Direct
Acting Pressure Regulator**


EMERSON™

AVENTICS ED12 Dynamic Direct Acting Pressure Regulator

The AVENTICS ED12 direct acting pressure regulator offers proportional pressurization and the exhaust valves are controlled separately to deliver dynamic control for the most demanding applications.

- Robust poppet valve technology
- Very high control precision and dynamics
- Suitable for a wide range of applications
- High air flow rates
- ED12 supports different types of connectivity from Analog Version to Fieldbus connection via EtherCAT, Profinet, AES



Product overview

E/P pressure regulators

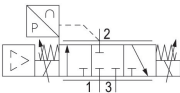
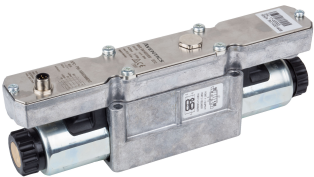
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ED12 series proportional pressure regulator, 1 x M12

Version: Current control with actual value output
Function: Air exhaust
Operational voltage DC: 24 V
Nominal flow Qn: 2600 l/min
Control: Analog
Ambient temperature min./max.: 5 °C ... 50 °C



Min. working pressure [bar]	Max. working pressure [bar]	Min. regulation range [bar]	Max. regulation range [bar]	Nominal input value	Actual output value	Max. current consumption [mA]	Hysteresis	Part No.
0.5	3	-1	1	0 ... 20 mA	0 ... 20 mA	1400	< 0,015 bar	R414002794
0.5	3	0	1	0 ... 20 mA	0 ... 20 mA	1400	< 0,015 bar	R414009658
0.5	3	0	1	4 ... 20 mA	4 ... 20 mA	1400	< 0,015 bar	R414009659
0.5	3	0	2	0 ... 20 mA	0 ... 20 mA	1400	< 0,015 bar	R414009662
0.5	3	0	2	4 ... 20 mA	4 ... 20 mA	1400	< 0,015 bar	R414009663
0.5	8	0	6	0 ... 20 mA	0 ... 20 mA	1400	< 0,03 bar	R414009570
0.5	8	0	6	4 ... 20 mA	4 ... 20 mA	1400	< 0,03 bar	R414009571
0.5	12	0	10	0 ... 20 mA	0 ... 20 mA	1400	< 0,03 bar	R414001635
0.5	12	0	10	4 ... 20 mA	4 ... 20 mA	1400	< 0,03 bar	R414001636

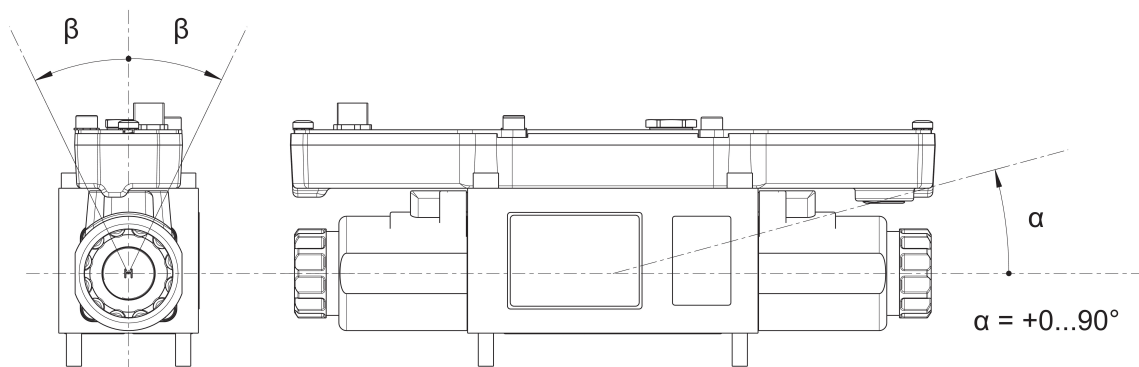
Technical drawing of the BOD 254 sensor assembly, showing three views: top, side, and bottom.

Top View Dimensions:

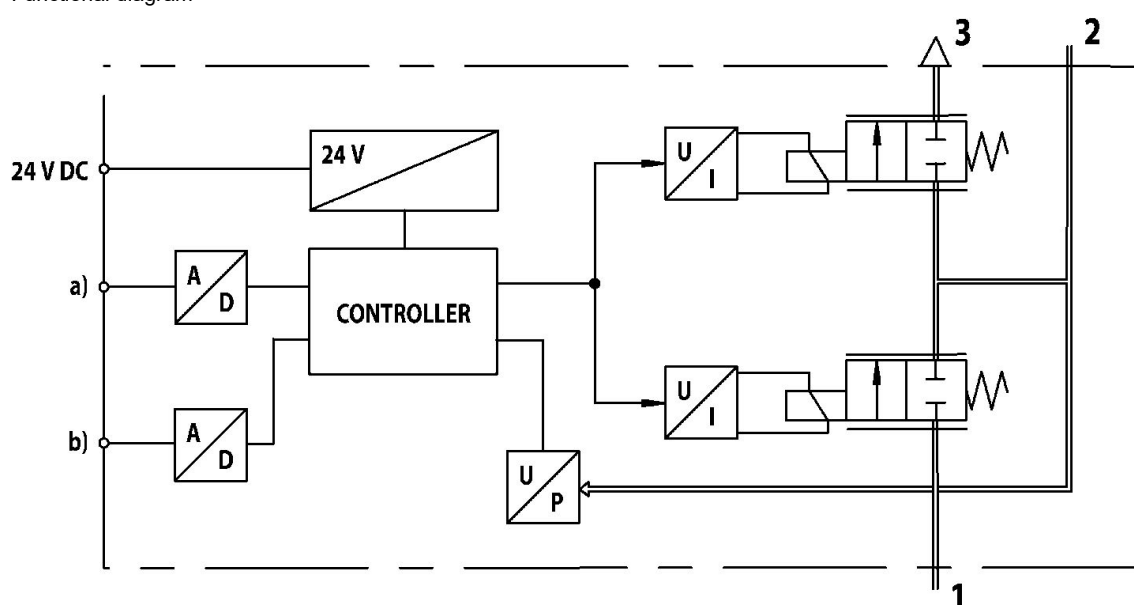
- Overall width: 254
- Overall height: 55
- Port 1 (top right): Ø4
- Port 2 (bottom right): Ø4
- Port 3 (top left): Ø24.6
- Port 4 (bottom left): Ø24.6
- Port 5 (top center): Ø19
- Port 6 (bottom center): Ø19
- Port 7 (top left): Ø19
- Port 8 (bottom left): Ø19
- Port 9 (top right): Ø19
- Port 10 (bottom right): Ø19
- Port 11 (top center): Ø19
- Port 12 (bottom center): Ø19
- Port 13 (top left): Ø19
- Port 14 (bottom left): Ø19
- Port 15 (top right): Ø19
- Port 16 (bottom right): Ø19
- Port 17 (top center): Ø19
- Port 18 (bottom center): Ø19
- Port 19 (top left): Ø19
- Port 20 (bottom left): Ø19
- Port 21 (top right): Ø19
- Port 22 (bottom right): Ø19
- Port 23 (top center): Ø19
- Port 24 (bottom center): Ø19
- Port 25 (top left): Ø19
- Port 26 (bottom left): Ø19
- Port 27 (top right): Ø19
- Port 28 (bottom right): Ø19
- Port 29 (top center): Ø19
- Port 30 (bottom center): Ø19
- Port 31 (top left): Ø19
- Port 32 (bottom left): Ø19
- Port 33 (top right): Ø19
- Port 34 (bottom right): Ø19
- Port 35 (top center): Ø19
- Port 36 (bottom center): Ø19
- Port 37 (top left): Ø19
- Port 38 (bottom left): Ø19
- Port 39 (top right): Ø19
- Port 40 (bottom right): Ø19
- Port 41 (top center): Ø19
- Port 42 (bottom center): Ø19
- Port 43 (top left): Ø19
- Port 44 (bottom left): Ø19
- Port 45 (top right): Ø19
- Port 46 (bottom right): Ø19
- Port 47 (top center): Ø19
- Port 48 (bottom center): Ø19
- Port 49 (top left): Ø19
- Port 50 (bottom left): Ø19
- Port 51 (top right): Ø19
- Port 52 (bottom right): Ø19
- Port 53 (top center): Ø19
- Port 54 (bottom center): Ø19
- Port 55 (top left): Ø19
- Port 56 (bottom left): Ø19
- Port 57 (top right): Ø19
- Port 58 (bottom right): Ø19
- Port 59 (top center): Ø19
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- Port 61 (top left): Ø19
- Port 62 (bottom left): Ø19
- Port 63 (top right): Ø19
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- Port 65 (top center): Ø19
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- Port 69 (top right): Ø19
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- Port 74 (bottom left): Ø19
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- Port 89 (top center): Ø19
- Port 90 (bottom center): Ø19
- Port 91 (top left): Ø19
- Port 92 (bottom left): Ø19
- Port 93 (top right): Ø19
- Port 94 (bottom right): Ø19
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- Port 103 (top left): Ø19
- Port 104 (bottom left): Ø19
- Port 105 (top right): Ø19
- Port 106 (bottom right): Ø19
- Port 107 (top center): Ø19
- Port 108 (bottom center): Ø19
- Port 109 (top left): Ø19
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- Port 122 (bottom left): Ø19
- Port 123 (top right): Ø19
- Port 124 (bottom right): Ø19
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- Port 126 (bottom center): Ø19
- Port 127 (top left): Ø19
- Port 128 (bottom left): Ø19
- Port 129 (top right): Ø19
- Port 130 (bottom right): Ø19
- Port 131 (top center): Ø19
- Port 132 (bottom center): Ø19
- Port 133 (top left): Ø19
- Port 134 (bottom left): Ø19
- Port 135 (top right): Ø19
- Port 136 (bottom right): Ø19
- Port 137 (top center): Ø19
- Port 138 (bottom center): Ø19
- Port 139 (top left): Ø19
- Port 140 (bottom left): Ø19
- Port 141 (top right): Ø19
- Port 142 (bottom right): Ø19
- Port 143 (top center): Ø19
- Port 144 (bottom center): Ø19
- Port 145 (top left): Ø19
- Port 146 (bottom left): Ø19
- Port 147 (top right): Ø19
- Port 148 (bottom right): Ø19
- Port 149 (top center): Ø19
- Port 150 (bottom center): Ø19
- Port 151 (top left): Ø19
- Port 152 (bottom left): Ø19
- Port 153 (top right): Ø19
- Port 154 (bottom right): Ø19
- Port 155 (top center): Ø19
- Port 156 (bottom center): Ø19
- Port 157 (top left): Ø19
- Port 158 (bottom left): Ø19
- Port 159 (top right): Ø19
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- Port 161 (top center): Ø19
- Port 162 (bottom center): Ø19
- Port 163 (top left): Ø19
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- Port 165 (top right): Ø19
- Port 166 (bottom right): Ø19
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- Port 171 (top right): Ø19
- Port 172 (bottom right): Ø19
- Port 173 (top center): Ø19
- Port 174 (bottom center): Ø19
- Port 175 (top left): Ø19
- Port 176 (bottom left): Ø19
- Port 177 (top right): Ø19
- Port 178 (bottom right): Ø19
- Port 179 (top center): Ø19
- Port 180 (bottom center): Ø19
- Port 181 (top left): Ø19
- Port 182 (bottom left): Ø19
- Port 183 (top right): Ø19
- Port 184 (bottom right): Ø19
- Port 185 (top center): Ø19
- Port 186 (bottom center): Ø19
- Port 187 (top left): Ø19
- Port 188 (bottom left): Ø19
- Port 189 (top right): Ø19
- Port 190 (bottom right): Ø19
- Port 191 (top center): Ø19
- Port 192 (bottom center): Ø19
- Port 193 (top left): Ø19
- Port 194 (bottom left): Ø19
- Port 195 (top right): Ø19
- Port 196 (bottom right): Ø19
- Port 197 (top center): Ø19
- Port 198 (bottom center): Ø19
- Port 199 (top left): Ø19
- Port 200 (bottom left): Ø19
- Port 201 (top right): Ø19
- Port 202 (bottom right): Ø19
- Port 203 (top center): Ø19
- Port 204 (bottom center): Ø19
- Port 205 (top left): Ø19
- Port 206 (bottom left): Ø19
- Port 207 (top right): Ø19
- Port 208 (bottom right): Ø19
- Port 209 (top center): Ø19
- Port 210 (bottom center): Ø19
- Port 211 (top left): Ø19
- Port 212 (bottom left): Ø19
- Port 213 (top right): Ø19
- Port 214 (bottom right): Ø19
- Port 215 (top center): Ø19
- Port 216 (bottom center): Ø19
- Port 217 (top left): Ø19
- Port 218 (bottom left): Ø19
- Port 219 (top right): Ø19
- Port 220 (bottom right): Ø19
- Port 221 (top center): Ø19
- Port 222 (bottom center): Ø19
- Port 223 (top left): Ø19</

- 1) Operating pressure
- 2) Working pressure
- 3) Exhaust
- 4) Seal (not assembled)
- 5) Accessories not supplied

Mounting orientation
 $\beta = \pm 0 \dots 90^\circ$

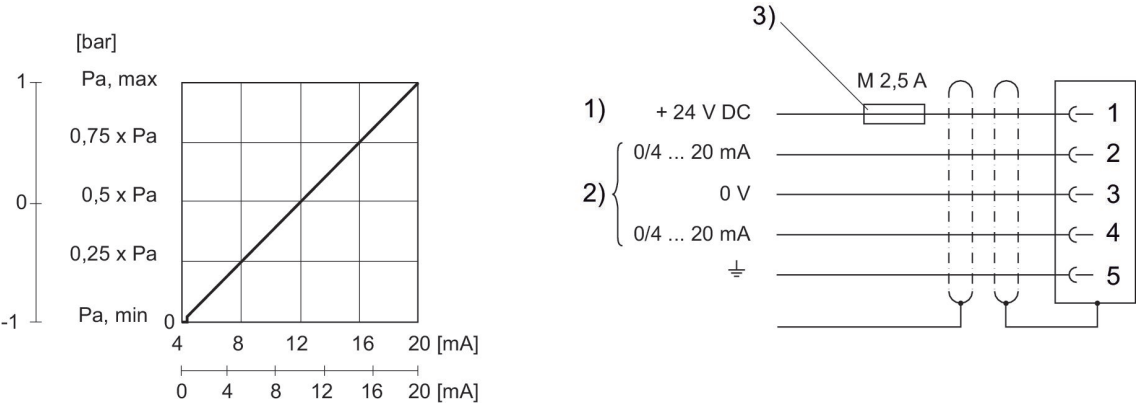


Functional diagram



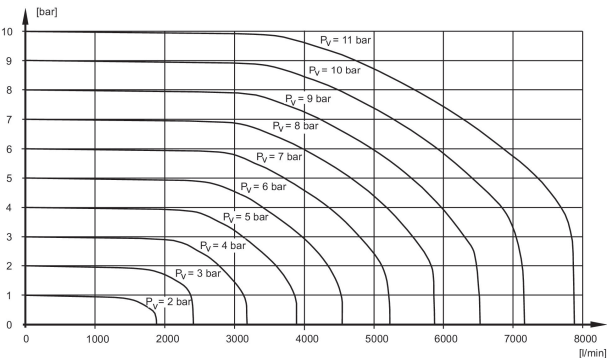
a) Nominal input value b) Actual output value The E/P pressure control valve modulates the pressure corresponding to an analog electrical nominal input value.
1) Operating pressure
2) Working pressure
3) Exhaust

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.

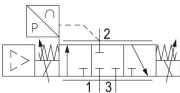
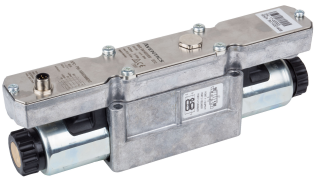
Durchflussdiagramm für Druckbereich bis 10 bar



Pv = Supply pressure

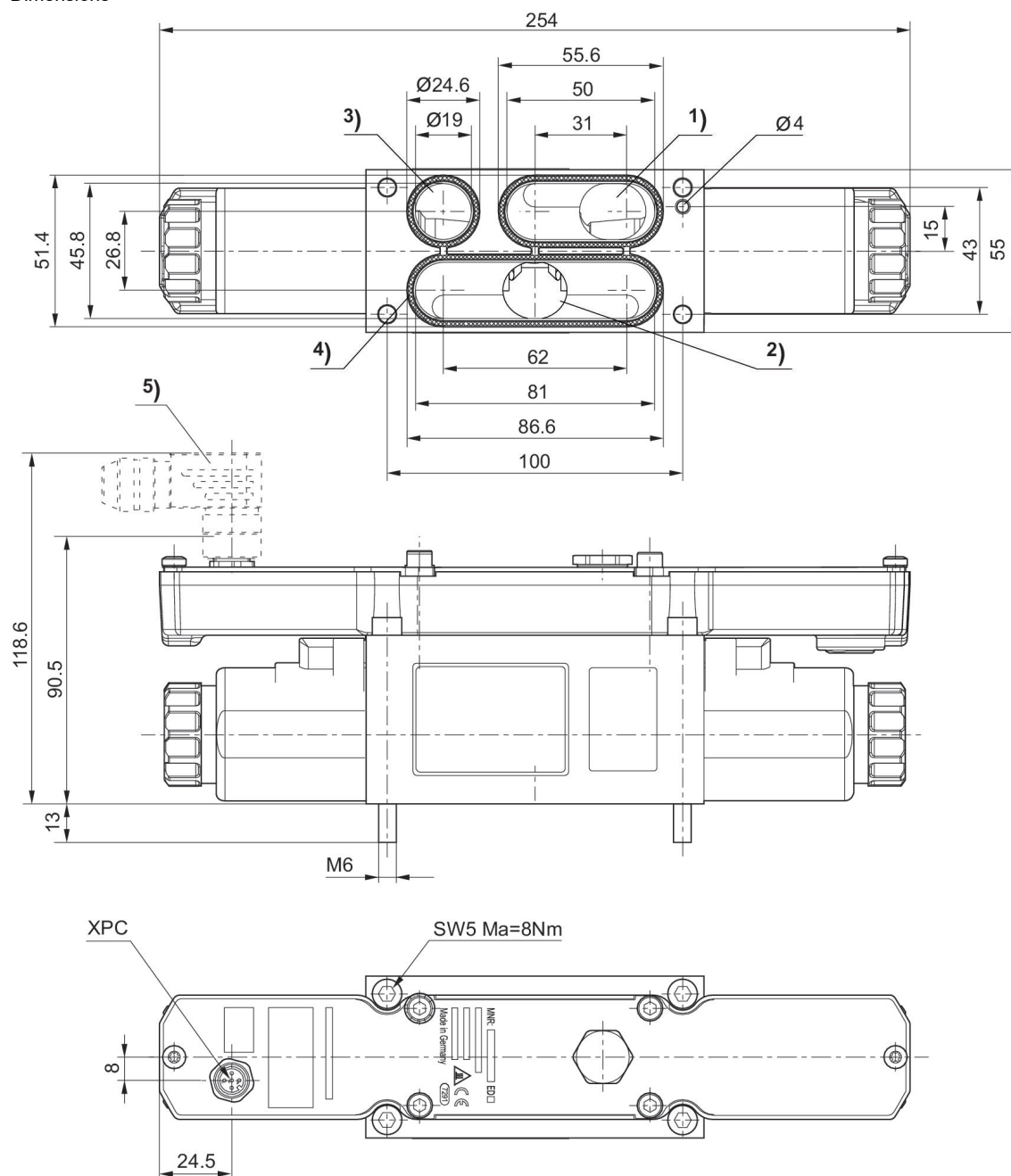
ED12 series proportional pressure regulator, 1 x M12

Version: Voltage control with actual value output
Function: Air exhaust
Operational voltage DC: 24 V
Nominal flow Qn: 2600 l/min
Control: Analog
Ambient temperature min./max.: 5 °C ... 50 °C



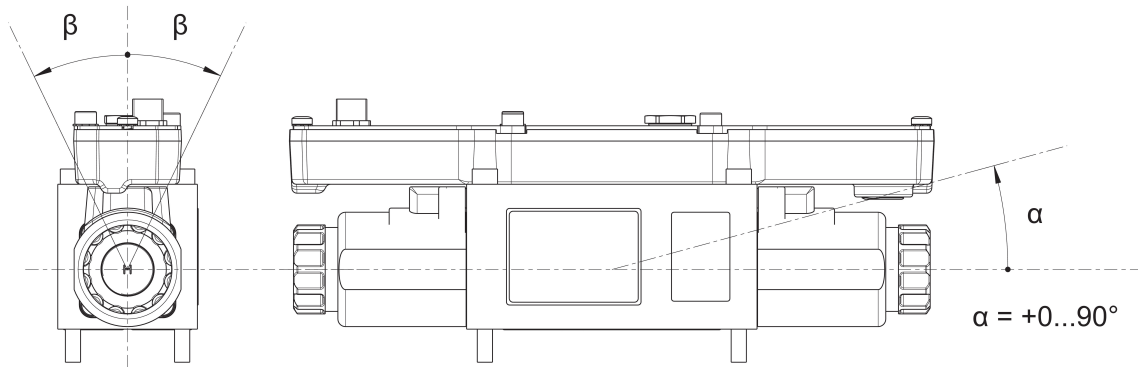
Min. working pressure [bar]	Max. working pressure [bar]	Min. regulation range [bar]	Max. regulation range [bar]	Nominal input value	Actual output value	Max. current consumption [mA]	Hysteresis	Part No.
0.5	3	0	1	0 ... 10 V	0 ... 10 V	1400	< 0,015 bar	R414009661
0.5	3	0	2	0 ... 10 V	0 ... 10 V	1400	< 0,015 bar	R414009665
0.5	8	0	6	0 ... 10 V	0 ... 10 V	1400	< 0,03 bar	R414009573
0.5	12	0	10	0 ... 10 V	0 ... 10 V	1400	< 0,03 bar	R414002867

Dimensions

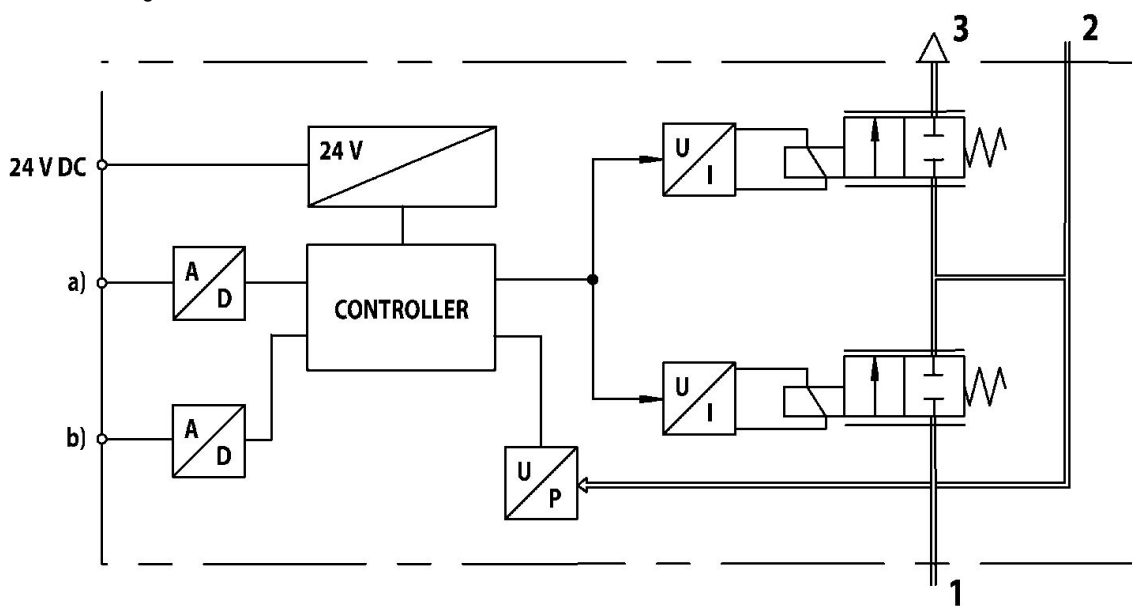


- 1) Operating pressure
- 2) Working pressure
- 3) Exhaust
- 4) Seal (not assembled)
- 5) Accessories not supplied

Mounting orientation
 $\beta = \pm 0...90^\circ$

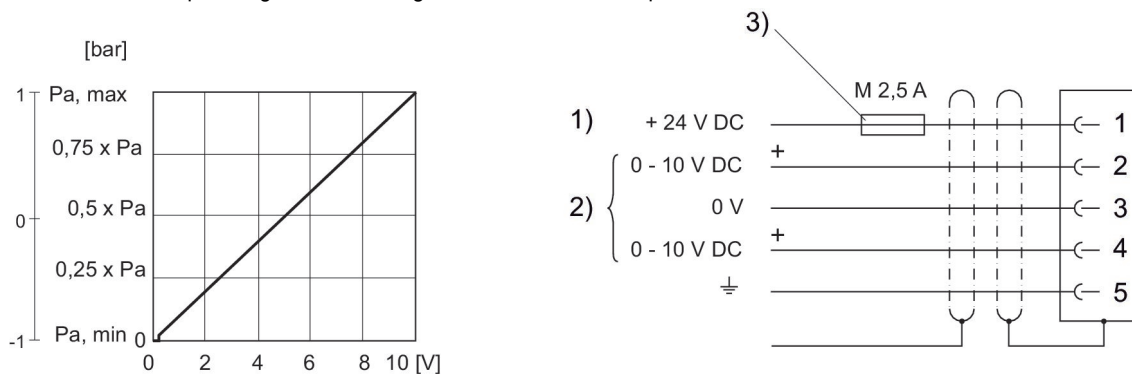


Functional diagram



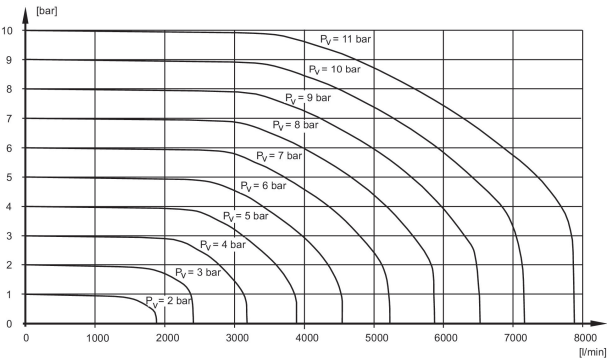
a) Nominal input value b) Actual output value The E/P pressure control valve modulates the pressure corresponding to an analog electrical nominal input value.
1) Operating pressure
2) Working pressure
3) Exhaust

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.

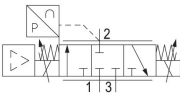
Durchflussdiagramm für Druckbereich bis 10 bar



P_v = Supply pressure

ED12 series proportional pressure regulator, 2 x M12

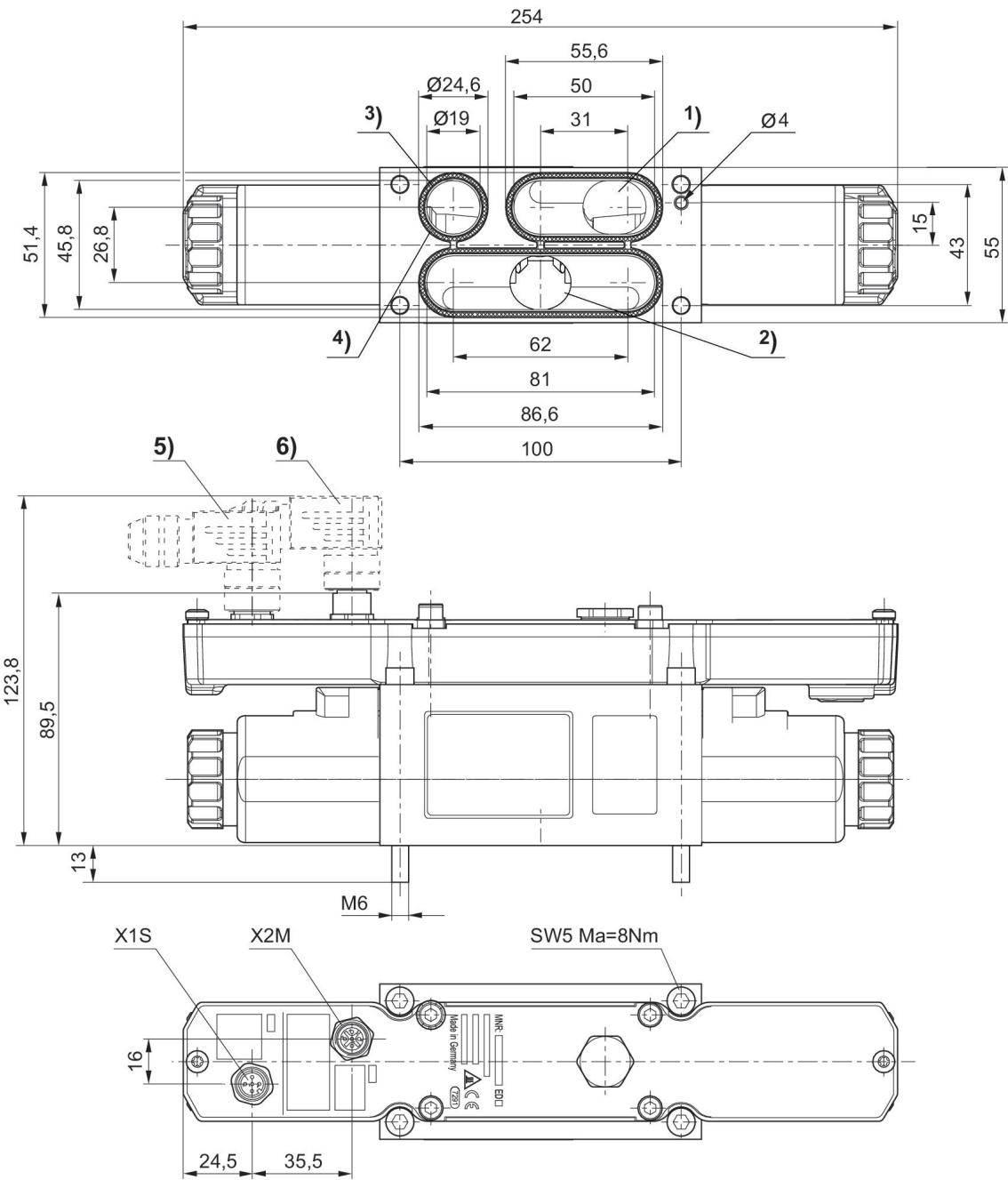
Version: Current control with actual value output
Function: Air exhaust
Operational voltage DC: 24 V
Nominal flow Qn: 2600 l/min
Control: Analog
Ambient temperature min./max.: 5 °C ... 50 °C



Min. working pressure [bar]	Max. working pressure [bar]	Min. regulation range [bar]	Max. regulation range [bar]	Nominal input value	Actual output value	Output signal	Max. current consumption [mA]	Part No.
0.5	3	0	1	0 ... 20 mA	0 ... 20 mA	constant voltage, Switch output	1400	R414009666
0.5	3	0	1	4 ... 20 mA	4 ... 20 mA	constant voltage, Switch output	1400	R414009667
0.5	3	0	2	0 ... 20 mA	0 ... 20 mA	constant voltage, Switch output	1400	R414009670
0.5	3	0	2	4 ... 20 mA	4 ... 20 mA	constant voltage, Switch output	1400	R414009671
0.5	8	0	6	0 ... 20 mA	0 ... 20 mA	constant voltage, Switch output	1400	R414009574
0.5	8	0	6	4 ... 20 mA	4 ... 20 mA	constant voltage, Switch output	1400	R414009575
0.5	12	0	10	0 ... 20 mA	0 ... 20 mA	Analog, Switch output	1400	R414000728
0.5	12	0	10	4 ... 20 mA	4 ... 20 mA	Analog, Switch output	1400	R414000729

Hysteresis	Part No.
< 0,015 bar	R414009666
< 0,015 bar	R414009667
< 0,015 bar	R414009670
< 0,015 bar	R414009671
< 0,03 bar	R414009574
< 0,03 bar	R414009575
< 0,03 bar	R414000728
< 0,03 bar	R414000729

Dimensions

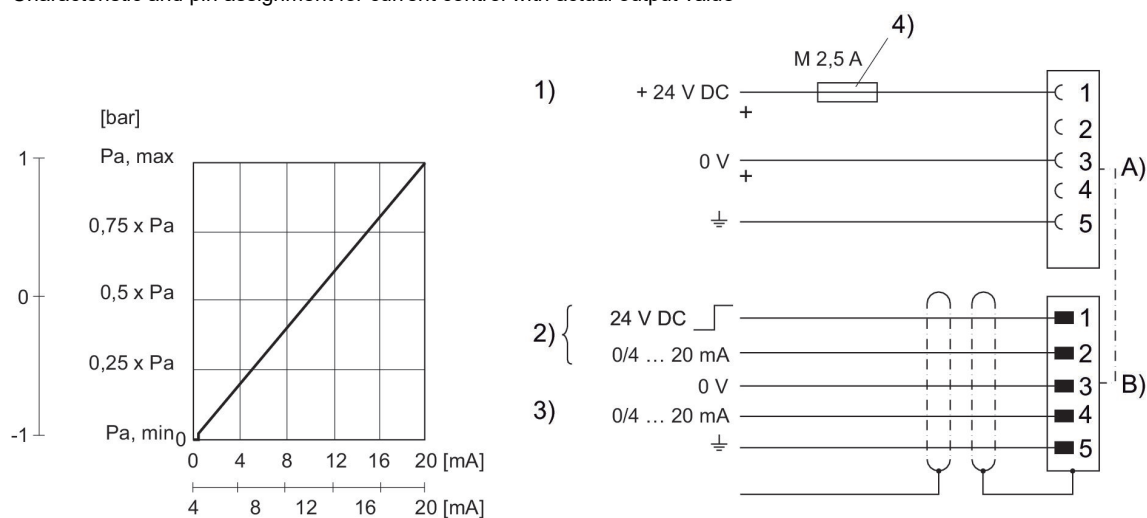


1) Operating pressure 2) Working pressure 3) Exhaust 4) Seal (not assembled) 5) + 6) Accessories not supplied

Technical drawings of the 3000 series motor. The top view shows the motor with two tilt angles β indicated. The side view shows the motor with a tilt angle α indicated, with the note $\alpha = +0 \dots 90^\circ$.

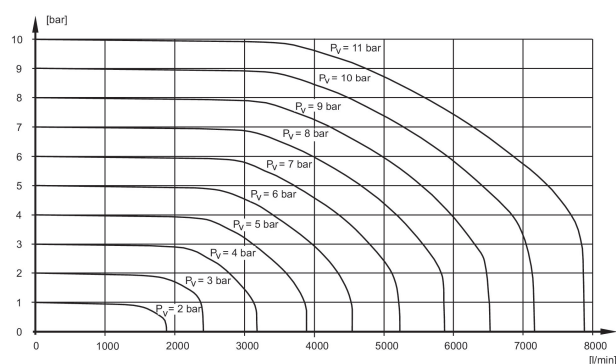
- 1) Operating pressure
- 2) Working pressure
- 3) Exhaust

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

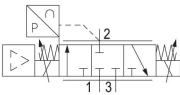
Durchflussdiagramm für Druckbereich bis 10 bar



Pv = Supply pressure

ED12 series proportional pressure regulator, 2 x M12

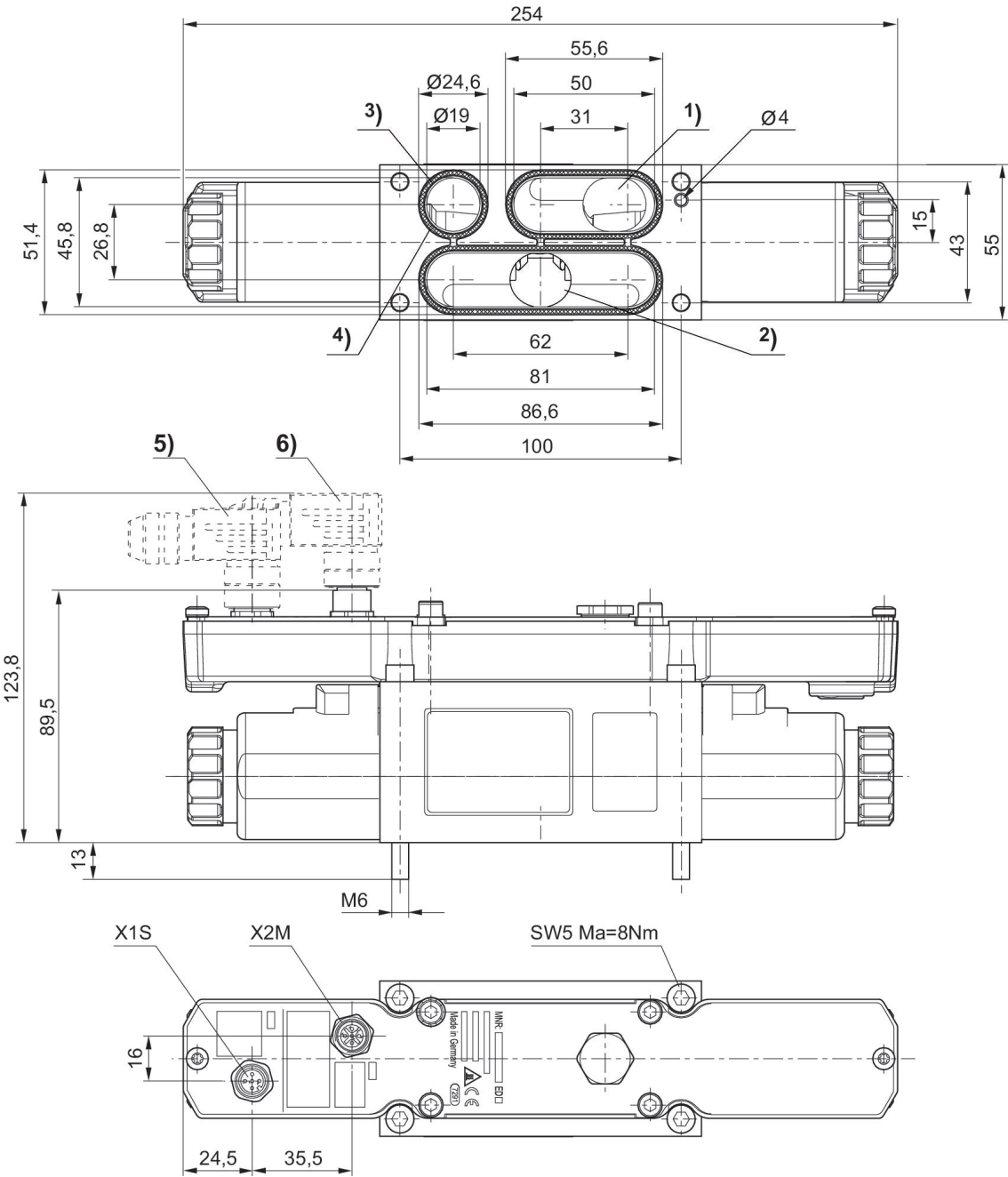
Version: Voltage control with actual value output
Function: Air exhaust
Operational voltage DC: 24 V
Nominal flow Qn: 2600 l/min
Control: Analog
Ambient temperature min./max.: 5 °C ... 50 °C



Min. working pressure [bar]	Max. working pressure [bar]	Min. regulation range [bar]	Max. regulation range [bar]	Nominal input value	Actual output value	Output signal	Max. current consumption [mA]	Part No.
0.5	3	0	1	0 ... 10 V	0 ... 10 V	constant voltage, Switch output	1400	R414009669
0.5	3	0	2	0 ... 10 V	0 ... 10 V	constant voltage, Switch output	1400	R414009673
0.5	8	0	6	0 ... 10 V	0 ... 10 V	constant voltage, Switch output	1400	R414002870
0.5	12	0	10	0 ... 10 V	0 ... 10 V	Analog, Switch output	1400	R414000731

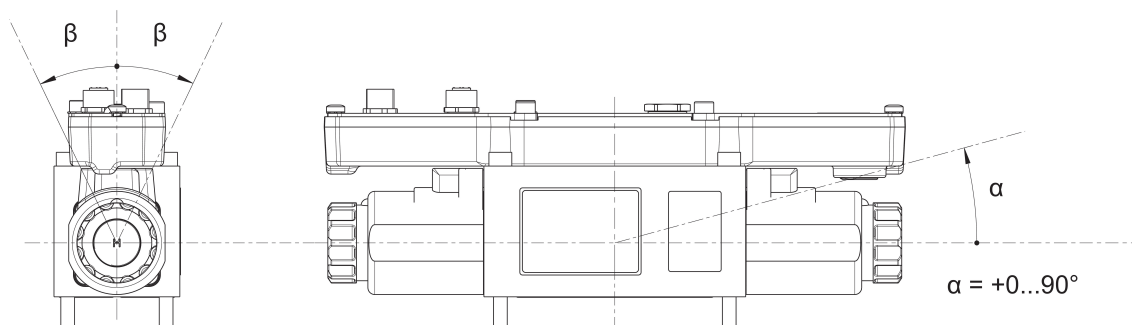
Hysteresis	Part No.
< 0,015 bar	R414009669
< 0,015 bar	R414009673
< 0,03 bar	R414002870
< 0,03 bar	R414000731

Dimensions

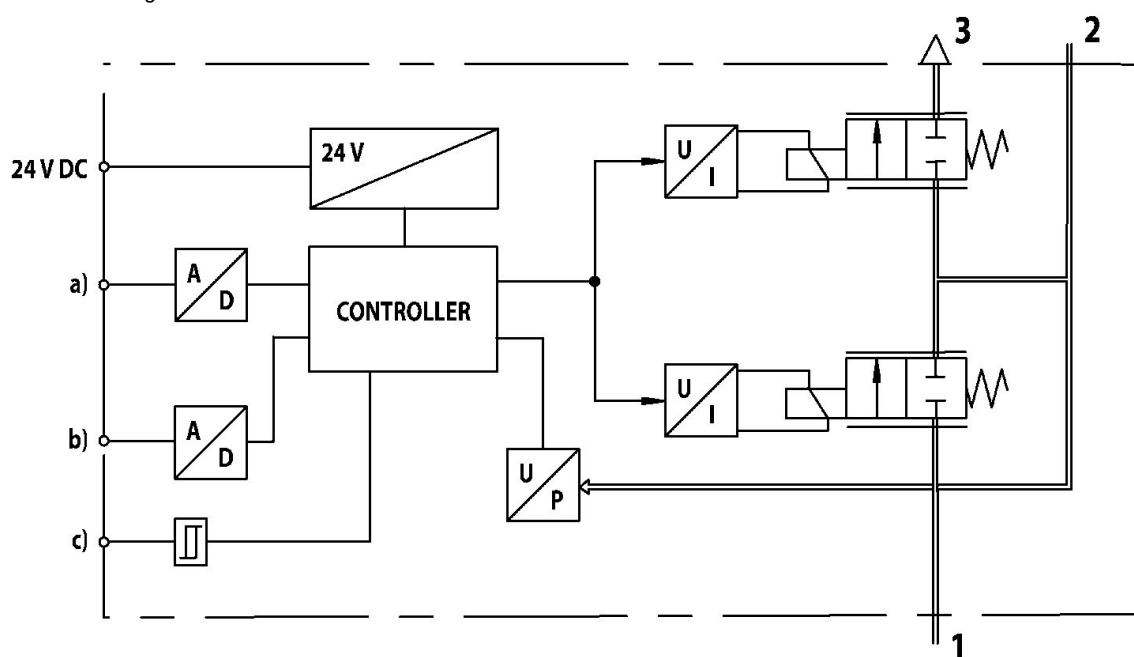


1) Operating pressure 2) Working pressure 3) Exhaust 4) Seal (not assembled) 5) + 6) Accessories not supplied

Mounting orientation
 $\beta = \pm 0 \dots 90^\circ$



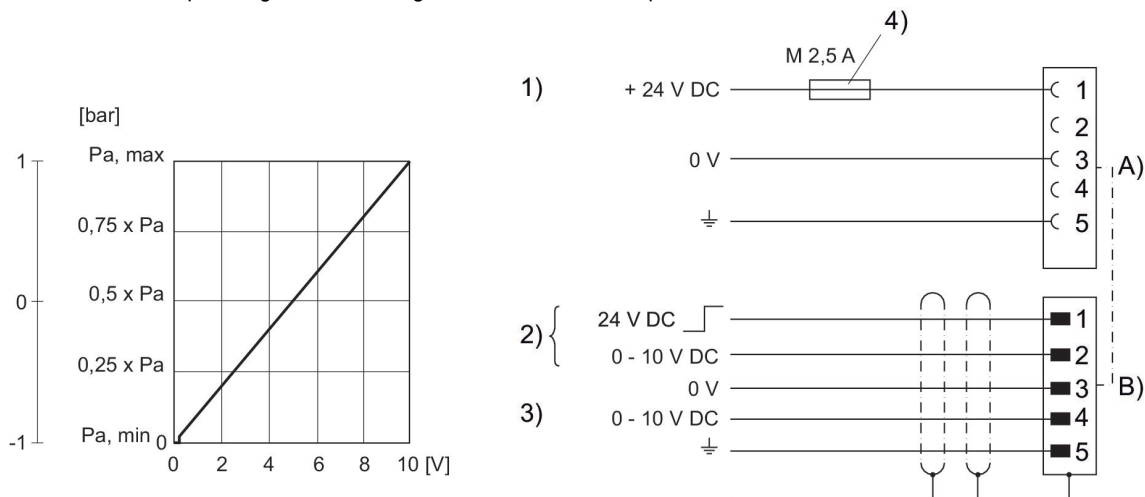
Functional diagram



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.

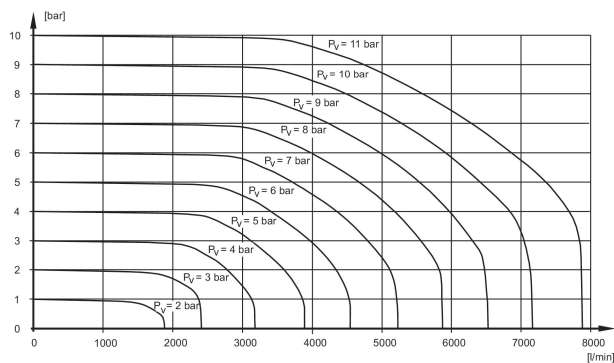
- 1) Operating pressure
- 2) Working pressure
- 3) Exhaust

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

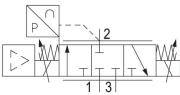
Durchflussdiagramm für Druckbereich bis 10 bar



Pv = Supply pressure

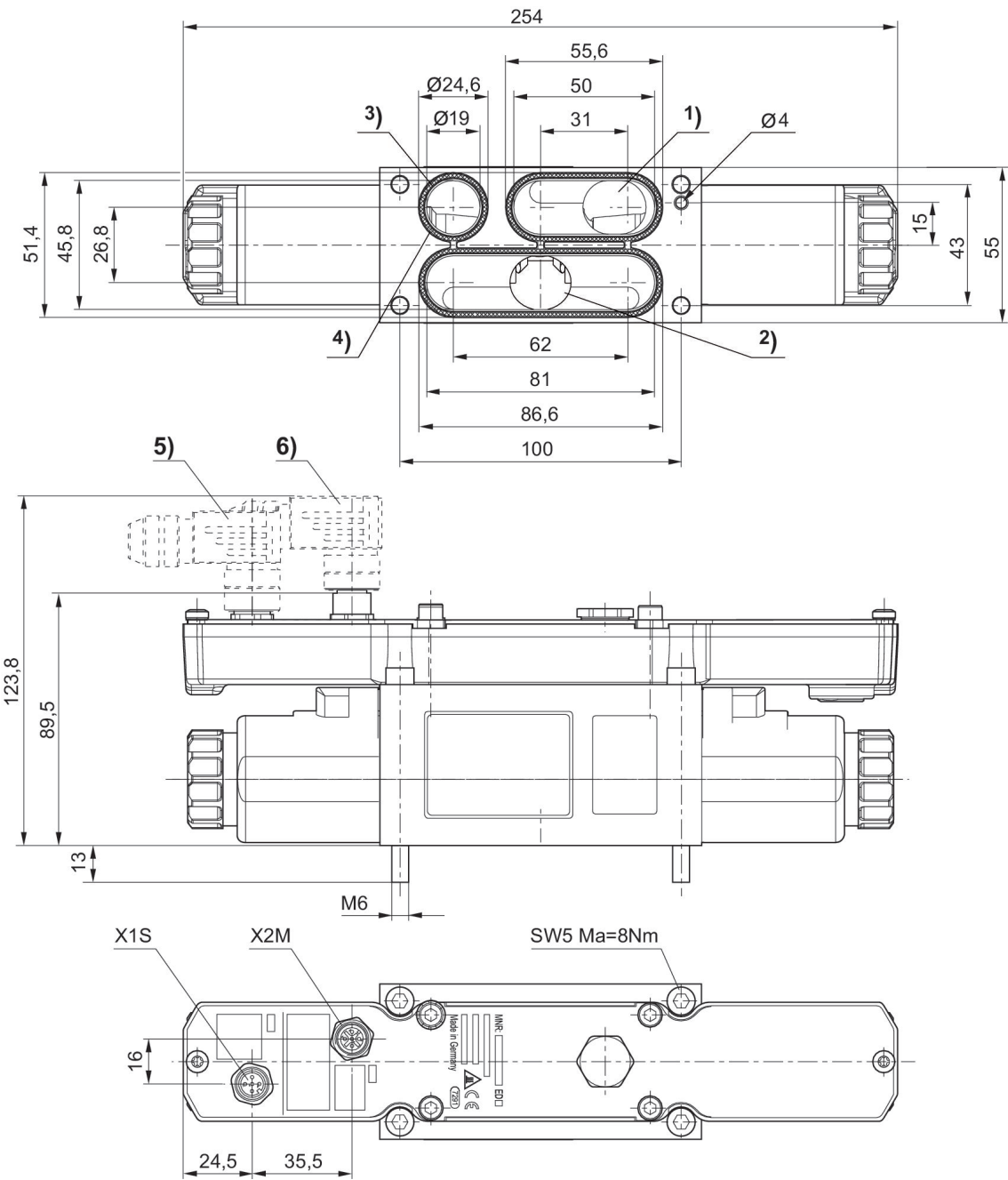
ED12 series proportional pressure regulator, 2 x M12

Version: Potentiometer control without actual value output
Function: Air exhaust
Operational voltage DC: 24 V
Nominal flow Qn: 2600 l/min
Control: Analog
Ambient temperature min./max.: 5 °C ... 50 °C



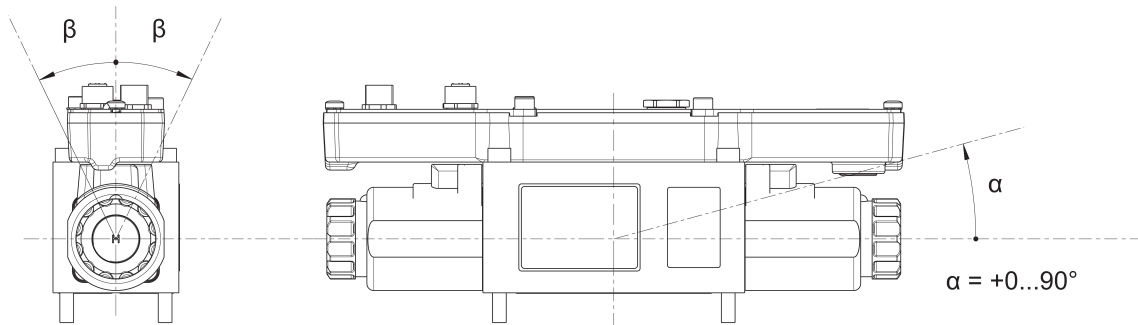
Min. working pressure [bar]	Max. working pressure [bar]	Min. regulation range [bar]	Max. regulation range [bar]	Nominal input value	Output signal	Max. current consumption [mA]	Hysteresis	Part No.
0.5	3	0	1	0 ... 10 V	constant voltage, Switch output	1400	< 0,015 bar	R414009668
0.5	3	0	2	0 ... 10 V	constant voltage, Switch output	1400	< 0,015 bar	R414009672
0.5	8	0	6	0 ... 10 V	constant voltage, Switch output	1400	< 0,03 bar	R414009576
0.5	12	0	10	0 ... 10 V	constant voltage, Switch output	1400	< 0,03 bar	R414000730

Dimensions

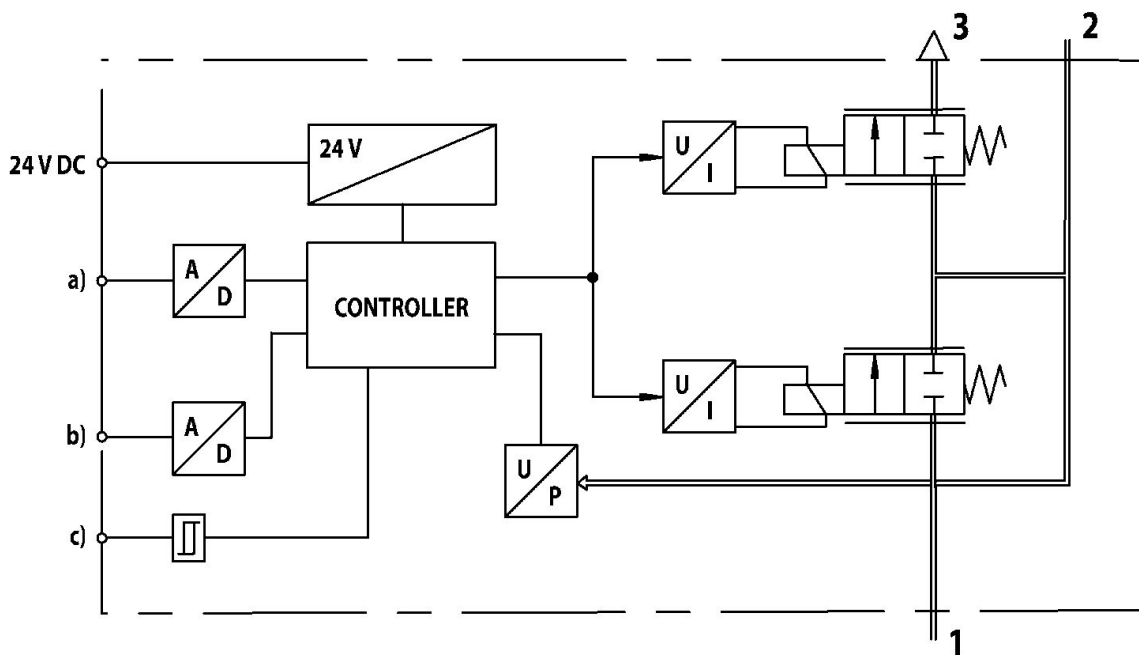


1) Operating pressure 2) Working pressure 3) Exhaust 4) Seal (not assembled) 5) + 6) Accessories not supplied

Mounting orientation
 $\beta = \pm 0 \dots 90^\circ$



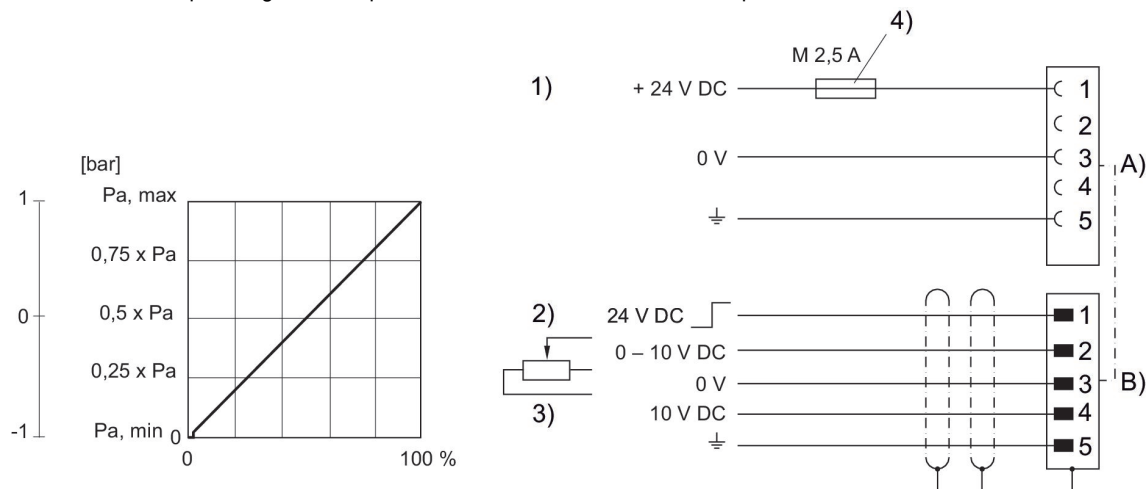
Functional diagram



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.

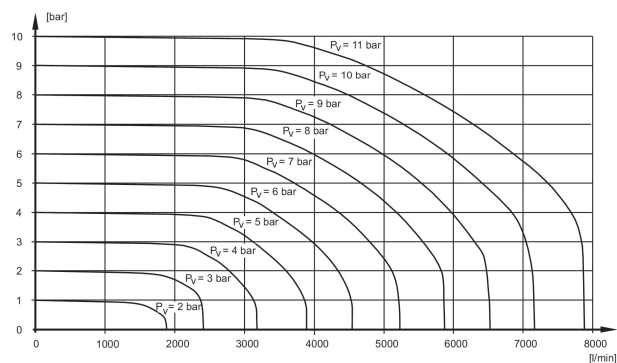
- 1) Operating pressure
- 2) Working pressure
- 3) Exhaust

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 k Ω , max. 0-10 k 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

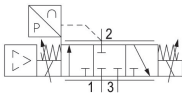
Durchflussdiagramm für Druckbereich bis 10 bar



P_v = Supply pressure

ED12 series proportional pressure regulator, EtherCAT

Function: Air exhaust
Operational voltage DC: 24 V
Nominal flow Qn: 2600 l/min
Control: digital
Ambient temperature min./max.: 0 °C ... 70 °C



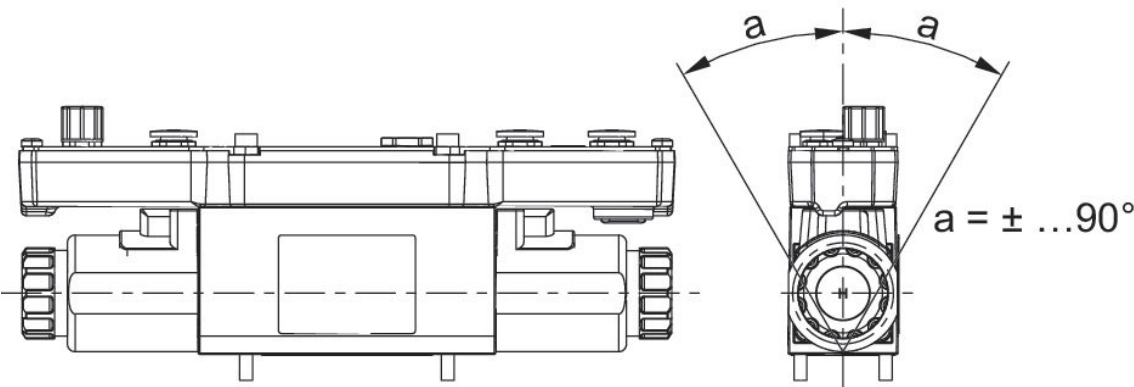
Min. working pressure [bar]	Max. working pressure [bar]	Min. regulation range [bar]	Max. regulation range [bar]	Nominal input value	Actual output value	Input signal	Output signal	Part No.
0.5	12	0	10	4 ... 20 mA	4 ... 20 mA			R414014321
0.5	12	0	10	0 ... 10 V	0 ... 10 V			R414014322
0.5	12	0	10			digital		R414014323
0.5	12	0	10				digital	R414014324
0.5	12	0	10				EtherCAT	R414014325

Protocol	Max. current consumption [mA]	Hysteresis	Part No.
EtherCAT	1400	< 0,03 bar	R414014321
EtherCAT	1400	< 0,03 bar	R414014322
EtherCAT	1400	< 0,03 bar	R414014323
EtherCAT	1400	< 0,03 bar	R414014324
EtherCAT	1400	< 0,03 bar	R414014325

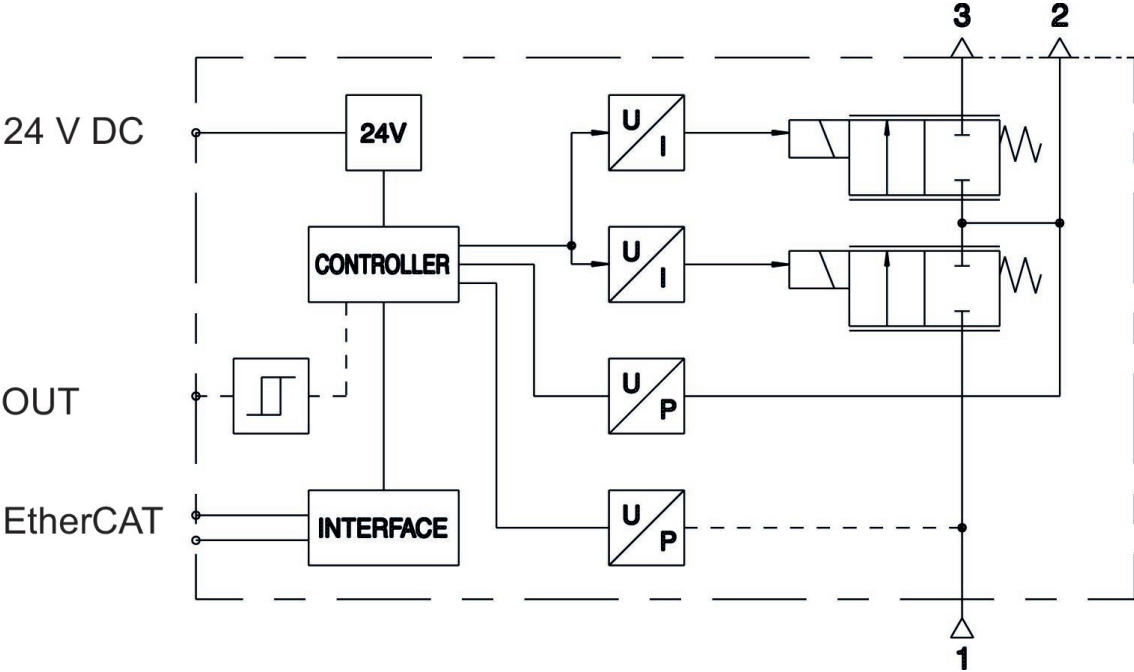
[illegible]

- 1) Operating pressure
- 2) Working pressure
- 3) Exhaust
- 4) Profile seal
- 5) Accessories not supplied

Mounting orientation



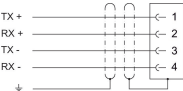
Functional diagram



- 1) Input
- 2) Output
- 3) Exhaust

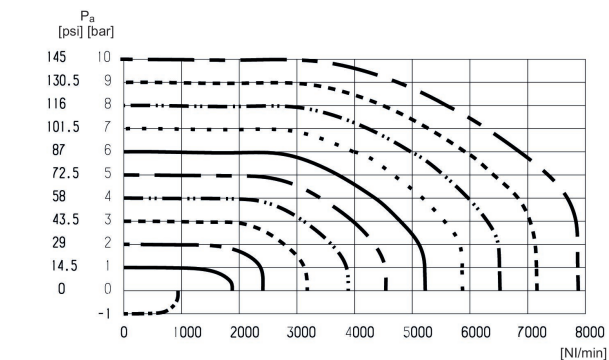
R414014321, R414014322, R414014323, R414014324, R414014325

Plug X7E1, X7E2



Ethernet plug M12x1, 4-pin, socket, D-coded
The Ethernet cables must be shielded.

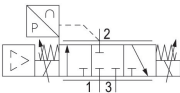
Durchflussdiagramm für Druckbereich bis 10 bar



Pa = Working pressure

ED12 series proportional pressure regulator, Profinet

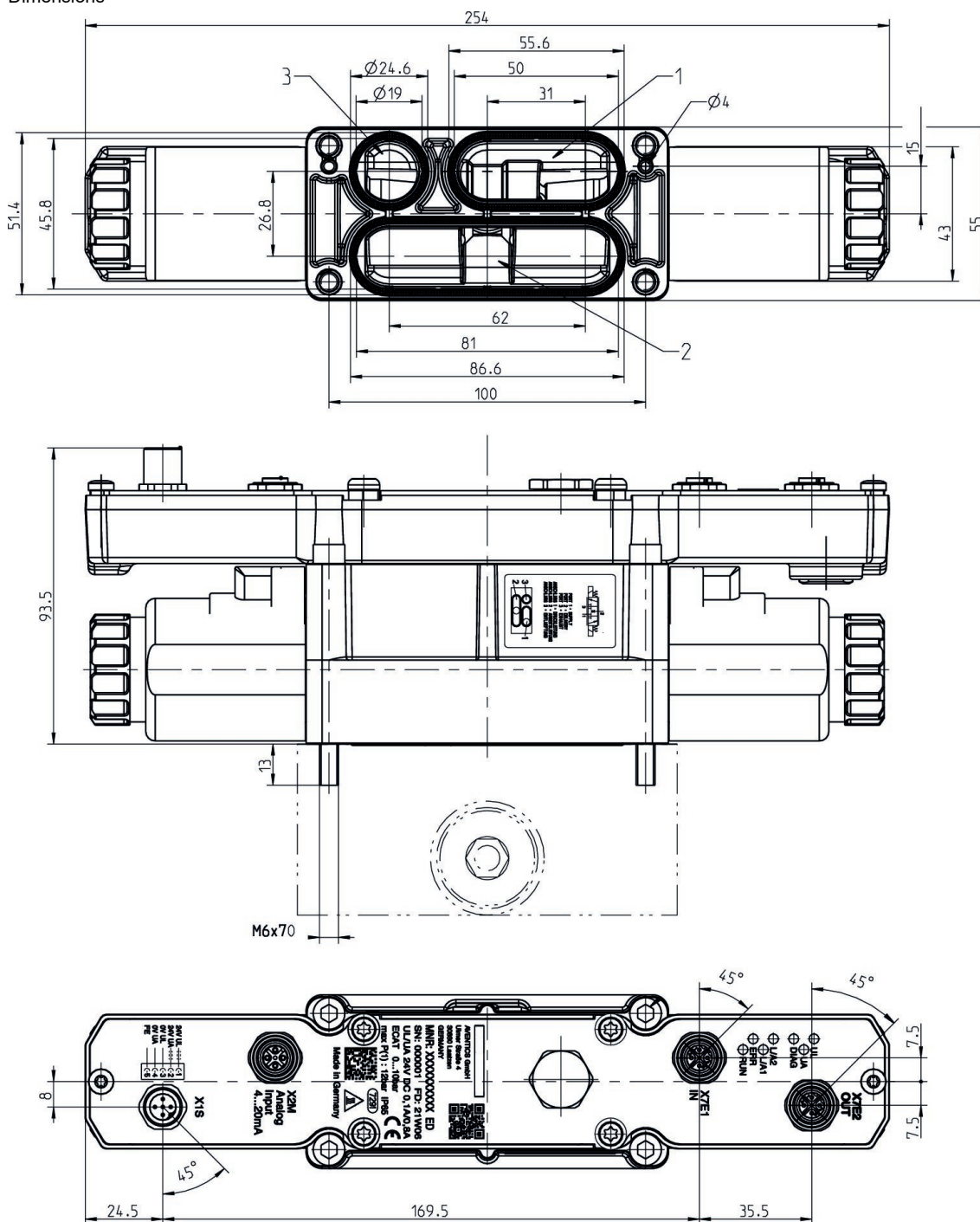
Function: Air exhaust
Operational voltage DC: 24 V
Nominal flow Qn: 2600 l/min
Control: digital
Ambient temperature min./max.: 0 °C ... 70 °C



Min. working pressure [bar]	Max. working pressure [bar]	Min. regulation range [bar]	Max. regulation range [bar]	Nominal input value	Actual output value	Input signal	Output signal	Part No.
0.5	12	0	10	4 ... 20 mA	4 ... 20 mA			R414014326
0.5	12	0	10	0 ... 10 V	0 ... 10 V			R414014327
0.5	12	0	10			digital		R414014328
0.5	12	0	10				digital	R414014329

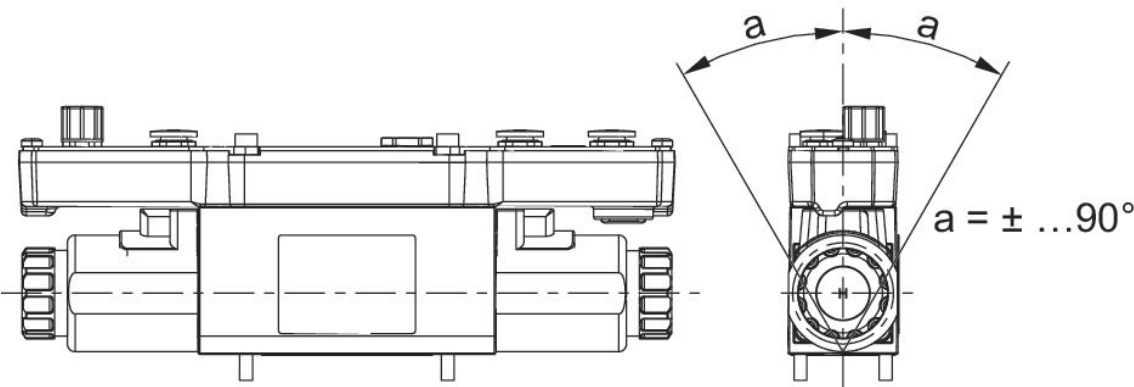
Protocol	Max. current consumption [mA]	Hysteresis	Part No.
Profinet	1400	< 0,03 bar	R414014326
Profinet	1400	< 0,03 bar	R414014327
Profinet	1400	< 0,03 bar	R414014328
Profinet	1400	< 0,03 bar	R414014329

Dimensions

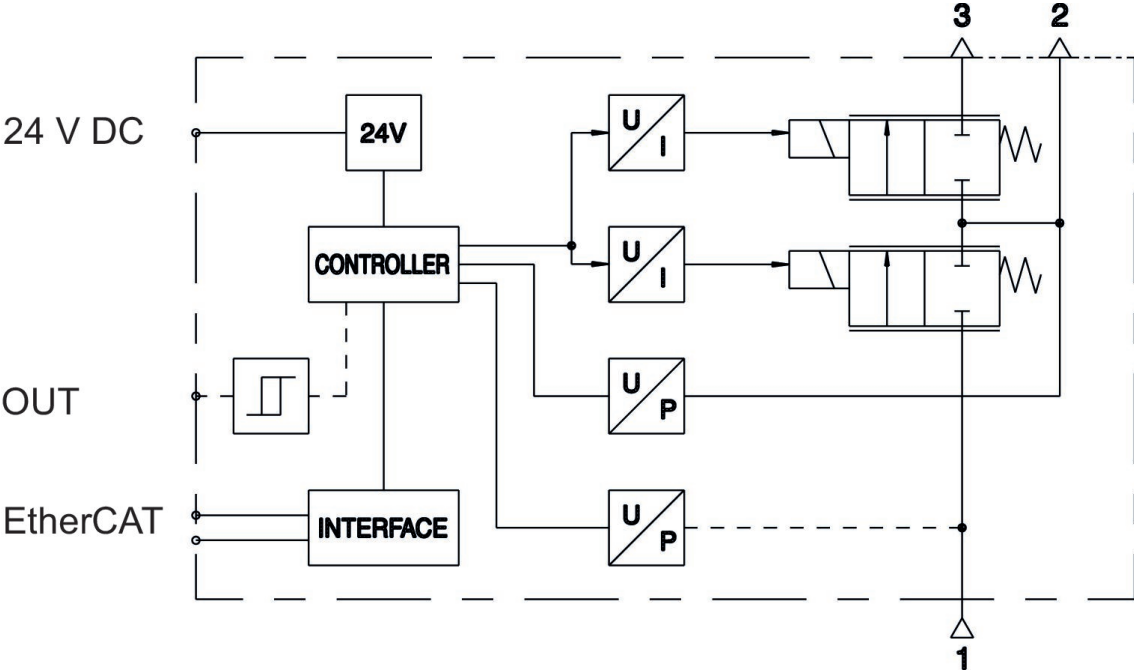


- 1) Operating pressure
- 2) Working pressure
- 3) Exhaust
- 4) Profile seal
- 5) Accessories not supplied

Mounting orientation



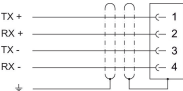
Functional diagram



- 1) Input
- 2) Output
- 3) Exhaust

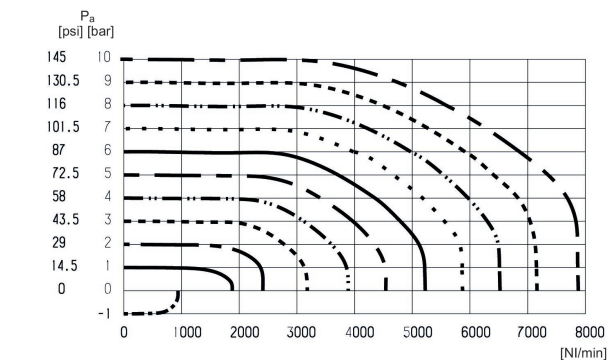
R414014326, R414014327, R414014328, R414014329

Plug X7E1, X7E2



Ethernet plug M12x1, 4-pin, socket, D-coded
The Ethernet cables must be shielded.

Durchflussdiagramm für Druckbereich bis 10 bar



P_a = Working pressure

AVENTICS Series SI1 Silencers

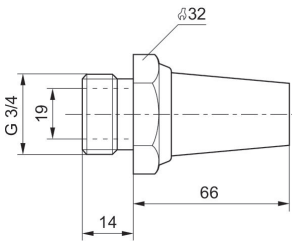
Compressed air connection type: External thread
Silencer material: Sintered bronze
Ambient temperature min./max.: -25 °C ... 80 °C
Working pressure min./max.: 0 bar ... 10 bar



G	Sound pressure level [dB]	Nominal flow [l/min]	Delivery unit [piece]	Weight [kg]	Part No.
G 3/4	92	8394	1	0.13	1827000004

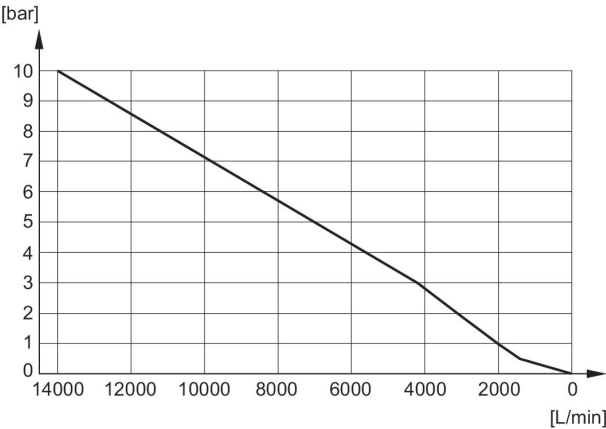
1827000004

Dimensions in mm



Flow diagram

1827000004

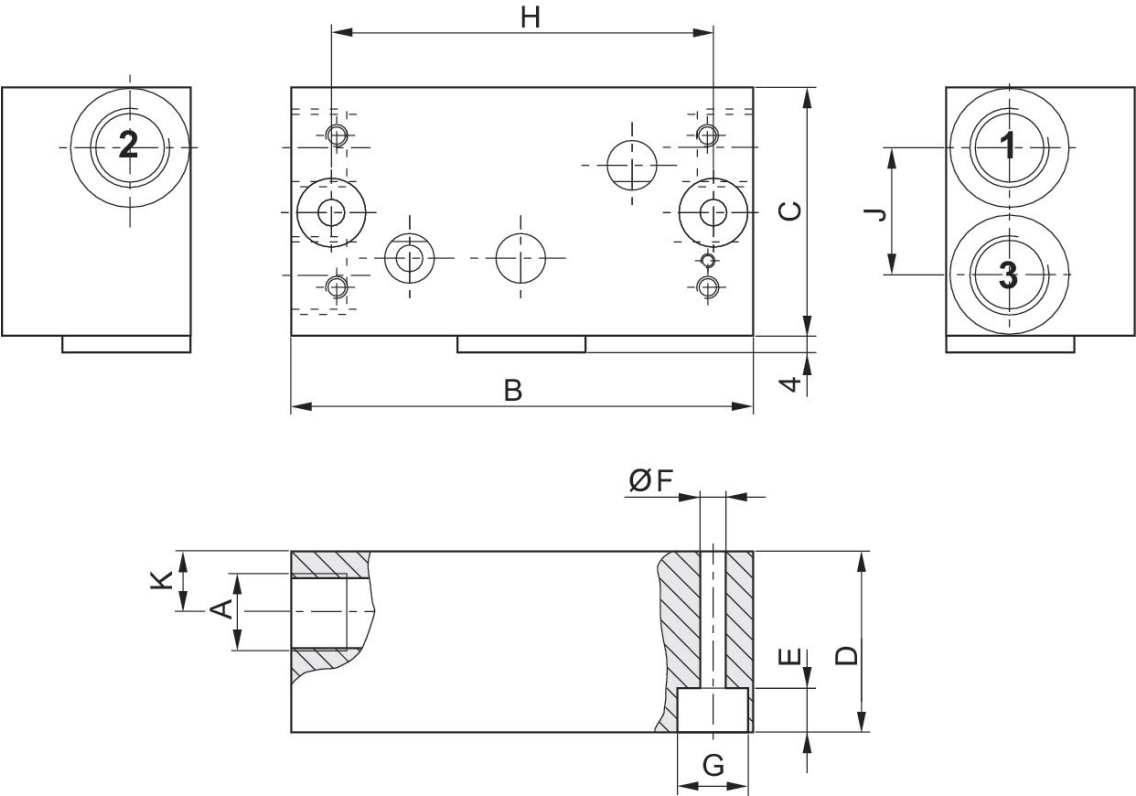


Single subbase, Series ED12



Type	Part No.
ISO 5599-1, size 3	5610221012

Dimensions



Part No.	A	B	C	D	E	F	G	H	J
5610221012	G 3/4	120	80	54	14	8.5	18	100	43

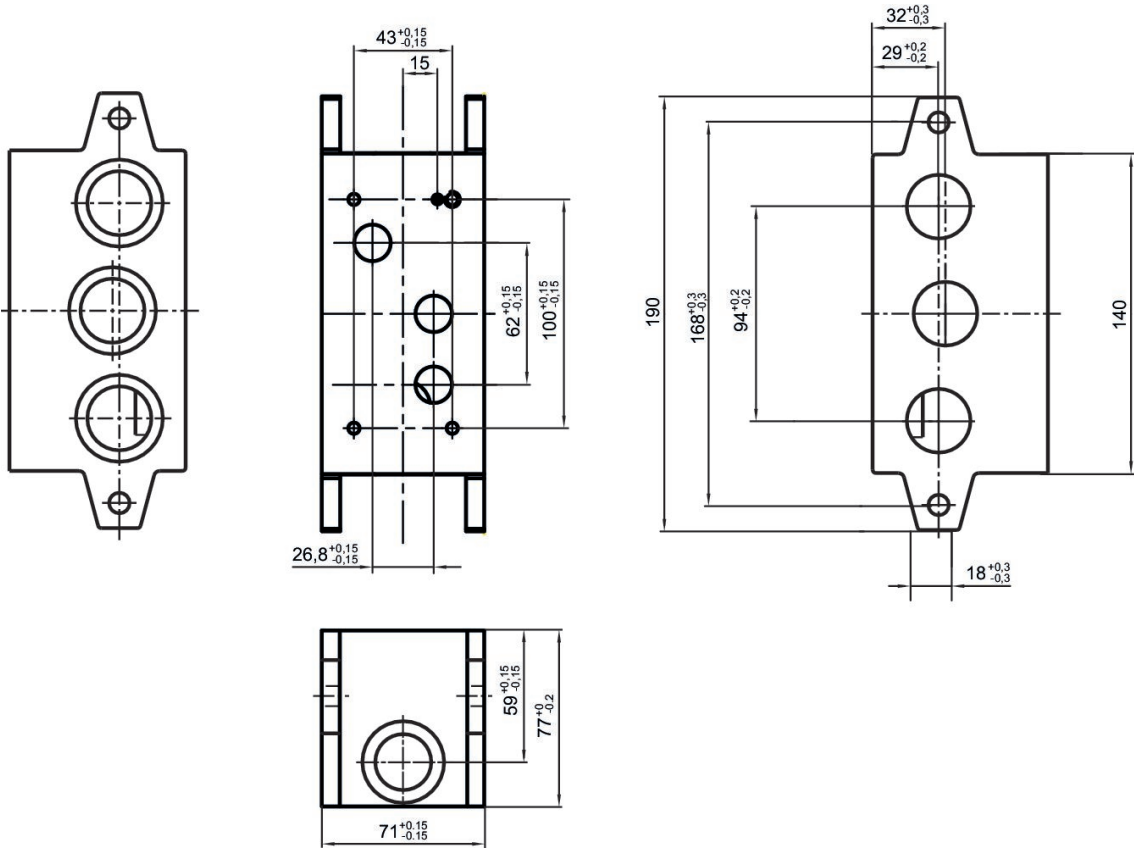
Part No.	K
5610221012	18

Stacking assembly subplate, ISO size 3



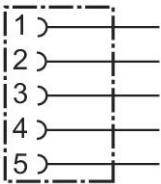
Type	Part No.
ISO 5599-1, size 3	8985049912

Dimensions



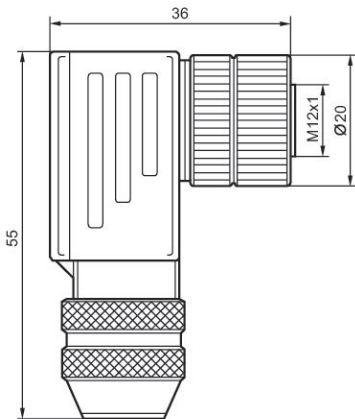
Round plug connector, Series CON-RD

Electrical connection 1: Socket ... M12x1 ... 5-pin ... angled
Protocol: CANopen
Connection type: Screws
Shielding: shielded
Ambient temperature min./max.: -40 °C ... 85 °C



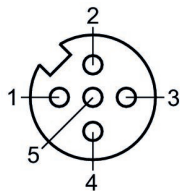
Operational voltage	Coding	Shielding	Protocol	Connec- tion type	Max. current [A]	min. suit- able cable Ø [mm]	max. suit- able cable Ø [mm]	Part No.
48 V AC/DC	A-coded	shielded	CANopen	Screws	4	6	8	1824484029

Dimensions



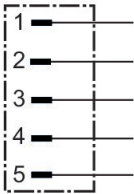
1824484029

Pin assignment, socket



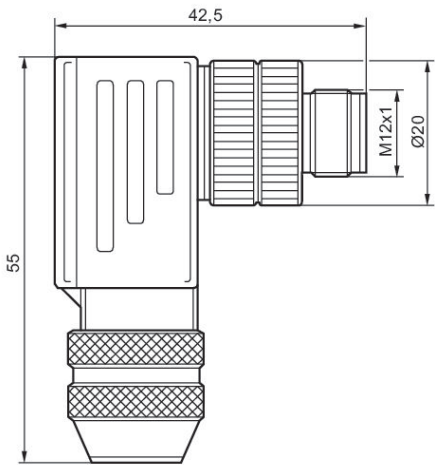
Round plug connector, Series CON-RD

Electrical connection 1: Plug ... M12x1 ... 5-pin ... A-coded ... angled
Connection type: Screws
Shielding: shielded
Ambient temperature min./max.: -40 °C ... 85 °C



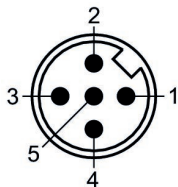
Operational voltage	Coding	Shielding	Protocol	Connec- tion type	Max. current [A]	min. suit- able cable Ø [mm]	max. suit- able cable Ø [mm]	Part No.
48 V AC/DC	A-coded	shielded	CANopen	Screws	4	6	8	1824484028

Dimensions



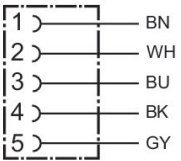
1824484028

Plug pin assignment



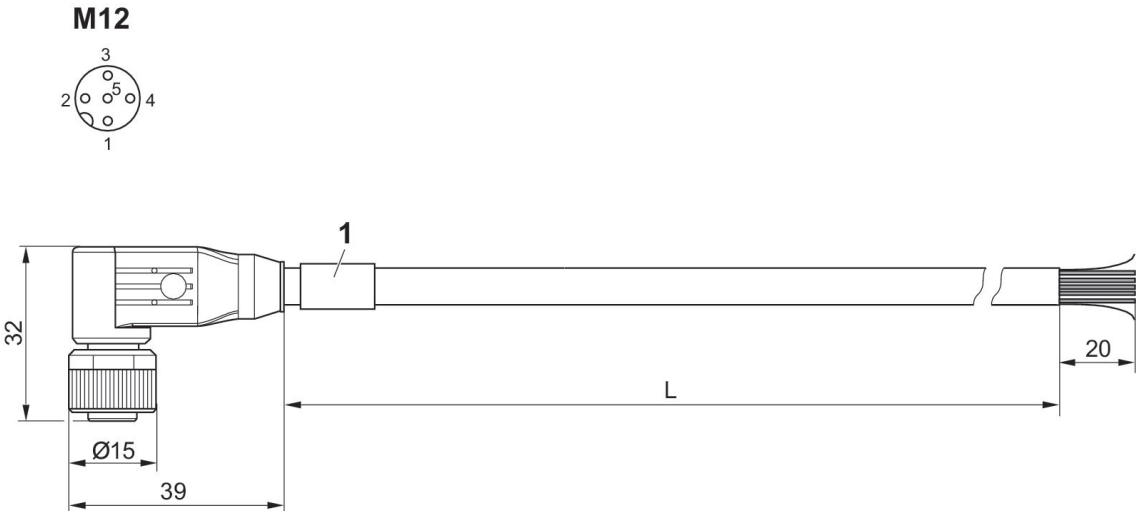
Round plug connector, Series CON-RD, 5-pin, angled, shielded

Electrical connection 1: Socket ... M12x1 ... 5-pin ... angled
Electrical connection 2: without wire end ferrule, tin-plated ... 5-pin
Certification: CE declaration of conformity, UL (Underwriters Laboratories)
Ambient temperature min./max.: -25 °C ... 85 °C



Operational voltage	Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 1, number of poles	Electrical connection 1, coding	Electrical connection 2, type	Electrical connection 2, number of poles	Cable length [m]	Part No.
60 V AC/DC	Socket	M12x1	5-pin	A-coded	open cable ends	5-pin	2.5	R419800109
60 V AC/DC	Socket	M12x1	5-pin	A-coded	open cable ends	5-pin	5	R419800110
60 V AC/DC	Socket	M12x1	5-pin	A-coded	open cable ends	5-pin	10	R419800546

Dimensions



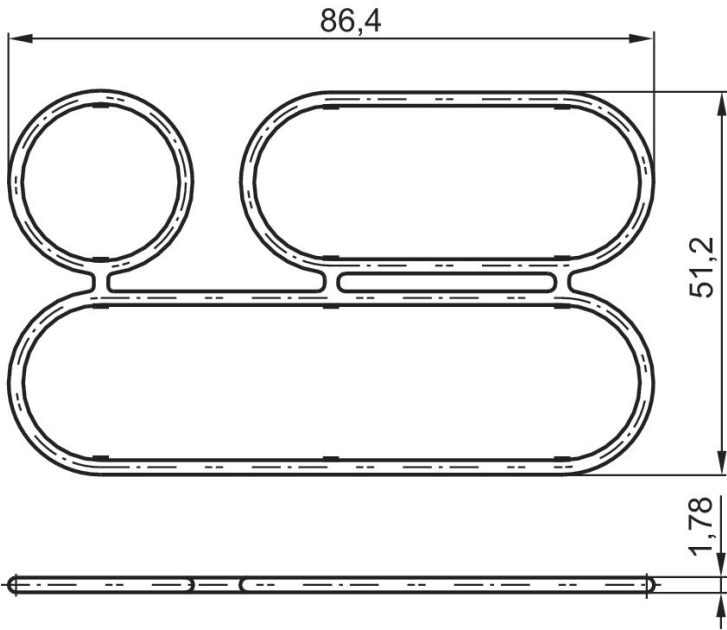
1) Cable sleeve

Base plate gasket, Series ED12



Type	Weight [kg]	Part No.
4 mounting screws according to DIN 912 - M6x70 and base plate gasket	0.07	5610220092

Dimensions



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air supply management, proportional pressure
control valves



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