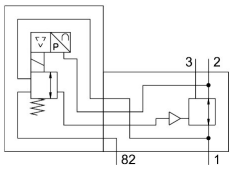
Electrical pressure regulator
PREL-186-HP3-V1-V-40CFX-1

Part number: 1709212



Data sheet

Feature	Value
Size	186
Nominal size DN	45
Series	L
Mounting position	Vertical
Type of actuation	Electrical
Design	Electrically adjustable pressure regulator
Controller function	Output pressure constant With primary pressure compensation With secondary exhausting
Operating pressure	0 MPa...5 MPa 0 bar...50 bar
Pressure regulation range	0.4 bar...40 bar
Max. pressure hysteresis	0.806 bar
Nominal operating voltage DC	24 V
Signal range analogue output	0 - 10 V
Signal range analogue input	0 - 10 V
SETPOINT/ACTUAL values	Voltage type 0 - 10 V
Approval	Special Equipment Type Test Certification
CE mark (see declaration of conformity)	In accordance with EU Pressure Equipment Directive
UKCA marking (see declaration of conformity)	to UK Pressure Equipment Regulations
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gas
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Storage temperature	-10 °C...60 °C
Suitable for use with food	See supplementary material information
Media temperature	5 °C...50 °C
Ambient temperature	5 °C...50 °C
Electrical connection, IN	Plug connector, M12, 5-pin, A-coded
Electrical connection, OUT	Plug connector, M12, 5-pin, A-coded
Type of mounting	Either: On service unit With accessories

Feature	Value
Pneumatic connection, port 1	G1
Pneumatic connection, port 11	G1/4
Pneumatic connection, port 2	G1
Pneumatic port 22	G1/4
Pneumatic connection, port 3	G1
Pneumatic port 82	G1/2
Note on materials	RoHS compliant
Material underneath cover	Anodised aluminium
Material spring	Spring steel
Material housing	Anodised aluminium