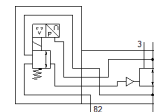


electrical pressure regulator PREL-186-HP3-V1-A-40CFX-1

Part number: 1709211

FESTO



Data sheet

Feature	Value
Size	186
Nominal diameter DN	45
Series	L
Assembly position	Vertical
Type of actuation	electrical
Design structure	Electrically adjustable pressure regulator
Controller function	Output pressure constant with initial pressure compensation with secondary exhaust
Operating pressure MPa	0 ... 5 MPa
Operating pressure	0 ... 50 bar
Pressure regulation range	0.4 ... 40 bar
Max. pressure hysteresis	0.806 bar
Nominal operating voltage DC	24 V
Signal range, analogue output	4 - 20 mA
Signal range, analogue input	0 - 10 V
SETPOINT/ACTUAL values	Voltage type 0 - 10 V
Authorisation	SE Type Test Certification
CE mark (see declaration of conformity)	to EU directive pressure devices
UKCA marking (see declaration of conformity)	UK regulation for pressure equipment
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364 zone III
Storage temperature	-10 ... 60 °C
Food-safe	See Supplementary material information
Medium temperature	5 ... 50 °C
Ambient temperature	5 ... 50 °C
Electrical connection IN	Plug, M12, 5-pin, A-coded
Electrical connection OUT	Plug, M12, 5-pin, A-coded
Mounting type	on service unit with accessories Optional
Pneumatic connection, port 1	G1
Pneumatic connection, 11	G1/4
Pneumatic connection, port 2	G1
Pneumatic port 22	G1/4
Pneumatic connection, port 3	G1
Pneumatic port 82	G1/2
Materials note	Conforms to RoHS
Material underneath cover	Anodised aluminium
Material spring	Spring steel
Material housing	Anodised aluminium