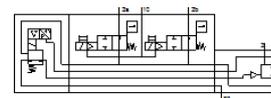
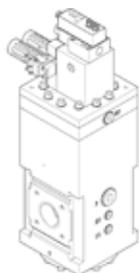


# electrical pressure regulator PREL-186-HP3-V1-V-40CFX2-1

Part number: 1709209

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
Safety function	Exhausting the control chamber
Performance level (PL)	Exhausting the control chamber/category 3, Performance Level d
Operating pressure	0 ... 50 bar
Pressure regulation range	0.4 ... 40 bar
Max. pressure hysteresis	0.1 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
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases
CE mark (see declaration of conformity)	to EU directive pressure devices to EU directive for machinery
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Storage temperature	-10 ... 60 °C
Food-safe	See Supplementary material information
Medium temperature	5 ... 50 °C
Ambient temperature	5 ... 50 °C
Authorisation	SE Type Test Certification
Electrical connection IN	Plug, M12, 5-pin, A-coded
Electrical connection OUT	Plug, M12, 5-pin, A-coded
Mounting type	Optional on service unit with accessories
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	Contains PWIS substances Conforms to RoHS
Material underneath cover	Aluminium Anodised
Material spring	Spring steel
Material housing	Aluminium Anodised