

# Electric pressure regulator PREL-90-HP3-V1-V-20CFX-S1-2

Part number: 1709129

FESTO



 General operating condition

## Data sheet

| Feature                          | Value   |
|----------------------------------|---|
| Size                             | 90  |
| Nominal width DN                 | 24  |
| Series                           | L   |
| Mounting position                | Vertical  |
| Actuation type                   | Electrical  |
| Structural design                | Electrically adjustable pressure regulator  |
| Controller function              | Outlet pressure constant<br>With primary pressure compensation<br>With secondary exhausting |
| Symbol                           | 00995417  |
| Operating pressure               | 0 MPa ... 5 MPa   |
| Operating pressure               | 0 bar ... 50 bar  |
| Pressure regulation range        | 0.5 bar ... 20 bar  |
| Nominal operating voltage DC     | 24 V  |
| Analog output signal range       | 0 - 10 V  |
| Analog input signal range        | 0 - 10 V  |
| Setpoint/actual values           | Voltage type 0 - 10 V   |
| Certification                    | Special Equipment Type Test Certification   |
| Operating medium                 | Compressed air as per ISO 8573-1:2010 [7:4:4]<br>Inert gas                                  |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress   |
| LABS (PWIS) conformity           | VDMA24364 zone III  |
| Storage temperature              | -10 °C ... 60 °C  |
| For use in the food industry     | See supplementary material information  |
| Temperature of medium            | 5 °C ... 50 °C  |
| Ambient temperature              | 5 °C ... 50 °C  |
| Product weight                   | 6100 g  |
| Electrical connection IN         | Plug, M12, 5-pin, A-coded   |
| Electrical connection OUT        | Plug, M12, 5-pin, A-coded   |
| Type of mounting                 | On service unit<br>With accessories   |
| Pneumatic connection 1           | G1  |
| Pneumatic connection 11          | G1/4  |
| Pneumatic connection 2           | G1  |
| Pneumatic connection 22          | G1/4  |
| Pneumatic connection 3           | G1  |

| <b>Feature</b>          | <b>Value</b>       |
|-------------------------|--------------------|
| Pneumatic connection 82 | G3/8               |
| Note on materials       | RoHS-compliant     |
| Lower cover material    | Aluminum, anodized |
| Material of spring      | Spring steel       |
| Housing material        | Aluminum, anodized |