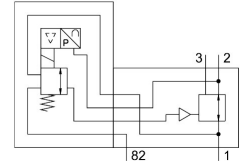


# Electrical pressure regulator PREL-90-HP3-V1-A-40CFX-S1-5

Part number: 1709137

**FESTO**



## Data sheet

| Feature                        | Value                                                                                       |
|--------------------------------|---------------------------------------------------------------------------------------------|
| Size                           | 90                                                                                          |
| Nominal size DN                | 24                                                                                          |
| Series                         | L                                                                                           |
| Mounting position              | Vertical                                                                                    |
| Type of actuation              | Electrical                                                                                  |
| Design                         | Electrically adjustable pressure regulator                                                  |
| Controller function            | Output pressure constant<br>With primary pressure compensation<br>With secondary exhausting |
| Operating pressure             | 0 MPa...5 MPa<br>0 bar...50 bar                                                             |
| Pressure regulation range      | 2 bar...40 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                                                                       |
| Approval                       | Special Equipment Type Test Certification                                                   |
| Operating medium               | Compressed air to 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                                                                              |
| Suitable for use with food     | See supplementary material information                                                      |
| Media temperature              | 5 °C...50 °C                                                                                |
| Ambient temperature            | 5 °C...50 °C                                                                                |
| Product weight                 | 6100 g                                                                                      |
| Electrical connection, IN      | Plug connector, M12, 5-pin, A-coded                                                         |
| Electrical connection, OUT     | Plug connector, M12, 5-pin, A-coded                                                         |
| Type of mounting               | Either:<br>On service unit<br>With accessories                                              |
| Pneumatic connection, port 1   | G1                                                                                          |
| Pneumatic connection, port 11  | G1/4                                                                                        |

| Feature                      | Value              |
|------------------------------|--------------------|
| Pneumatic connection, port 2 | G1                 |
| Pneumatic port 22            | G1/4               |
| Pneumatic connection, port 3 | G1                 |
| Pneumatic port 82            | G3/8               |
| Note on materials            | RoHS compliant     |
| Material underneath cover    | Anodised aluminium |
| Material spring              | Spring steel       |
| Material housing             | Anodised aluminium |