

# Push-in fitting QS-G1/8-8-I

Part number: 186109

**FESTO**



## Data sheet

| Feature                                         | Value                                                                                                            |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Size                                            | Standard                                                                                                         |
| Nominal width                                   | 5.3 mm                                                                                                           |
| Tubing insertion depth                          | 18.2 mm                                                                                                          |
| Type of seal on screwed plug                    | Sealing ring                                                                                                     |
| Mounting position                               | Any                                                                                                              |
| Design                                          | Straight design                                                                                                  |
| Pack size                                       | 10                                                                                                               |
| Structural design                               | Push-pull principle                                                                                              |
| Operating pressure for entire temperature range | -0.095 MPa...0.6 MPa<br>-0.95 bar...6 bar<br>-13.775 psi...87 psi                                                |
| Temperature-dependent operating pressure        | -0.095 MPa...1.4 MPa<br>-0.95 bar...14 bar<br>-13.775 psi...203 psi                                              |
| Information on operating pressure               | Water: max. 0.6 MPa at max. 50 °C                                                                                |
| Operating medium                                | Compressed air as per ISO 8573-1:2010 [7:::]<br>Water (liquid, ice-free)                                         |
| Information on operating and pilot media        | Lubricated operation possible<br>Water: G-thread only possible with sealing ring type OL as additional accessory |
| Corrosion resistance class (CRC)                | 1 - Low corrosion stress                                                                                         |
| LABS (PWIS) conformity                          | VDMA24364-B1/B2-L                                                                                                |
| Ambient temperature                             | -10 °C...80 °C                                                                                                   |
| Nominal tightening torque                       | 5.4 Nm                                                                                                           |
| Tolerance for nominal tightening torque         | ±20%                                                                                                             |
| Product weight                                  | 12 g                                                                                                             |
| Type of mounting                                | Internal hexagon, AF 5                                                                                           |
| Pneumatic connection 1                          | External thread G1/8                                                                                             |
| Pneumatic connection 2                          | for pneumatic tubing outside diameter 8 mm                                                                       |
| Releasing ring color                            | Blue                                                                                                             |
| Note on materials                               | RoHS compliant                                                                                                   |
| Housing material                                | Brass, nickel-plated                                                                                             |
| Releasing ring material                         | POM                                                                                                              |

| Feature                         | Value                      |
|---------------------------------|----------------------------|
| Material of tubing seal         | NBR                        |
| Material of tube retaining claw | high-alloy stainless steel |