

# Push-in fitting QS-G1/2-12-I

Part number: 186115

FESTO



 General operating condition

## Data sheet

| Feature                                       | Value                                                                                                            |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Size                                          | Standard                                                                                                         |
| Nominal size                                  | 8.4 mm                                                                                                           |
| Tubing insertion depth                        | 23.3 mm                                                                                                          |
| Type of seal on screwed plug                  | Sealing ring                                                                                                     |
| Mounting position                             | optional                                                                                                         |
| Design                                        | Straight design                                                                                                  |
| Size of pack                                  | 1                                                                                                                |
| Design                                        | Push-pull principle                                                                                              |
| Operating pressure complete temperature range | -0.095 MPa ... 0.6 MPa                                                                                           |
| Operating pressure complete temperature range | -0.95 bar ... 6 bar                                                                                              |
| Operating pressure complete temperature range | -13.775 psi ... 87 psi                                                                                           |
| Temperature-dependent operating pressure      | -0.095 MPa ... 1.4 MPa                                                                                           |
| Temperature-dependent operating pressure      | -0.95 bar ... 14 bar                                                                                             |
| Temperature-dependent operating pressure      | -13.775 psi ... 203 psi                                                                                          |
| Note on operating pressure                    | Water: max. 0.6 MPa at max. 50°C                                                                                 |
| Operating medium                              | Compressed air to ISO 8573-1:2010 [7:-:-]<br>Water (liquid, ice-free)                                            |
| Note on operating and pilot medium            | 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 torque                                | 26 Nm                                                                                                            |
| Tolerance for nominal tightening torque       | ± 20%                                                                                                            |
| Product weight                                | 33 g                                                                                                             |
| Type of mounting                              | Internal hexagon, size 8 mm                                                                                      |
| Pneumatic connection, port 1                  | Male thread G1/2                                                                                                 |
| Pneumatic connection, port 2                  | For tubing outer diameter of 12 mm                                                                               |
| Colour of release ring                        | Blue                                                                                                             |
| Note on materials                             | RoHS-compliant                                                                                                   |
| Material housing                              | Brass, nickel-plated                                                                                             |
| Material release ring                         | POM                                                                                                              |
| Material tubing seal                          | NBR                                                                                                              |
| Material tubing clamp component               | High-alloy stainless steel                                                                                       |