

# Push-in fitting QS-G1/4-12-20

Part number: 132042

FESTO



## Data sheet

| Feature                                                   | Value                                                                                                            |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Size                                                      | Standard                                                                                                         |
| Nominal size                                              | 8.5 mm                                                                                                           |
| Type of seal on screwed plug                              | Sealing ring                                                                                                     |
| Mounting position                                         | optional                                                                                                         |
| Design                                                    | Straight design<br>Push-pull principle                                                                           |
| Size of pack                                              | 20                                                                                                               |
| Operating pressure complete 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                                              |
| 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                                                                                                |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 4 according to ISO 14644-1                                                                                 |
| Ambient temperature                                       | -10 °C...80 °C                                                                                                   |
| Nominal torque                                            | 9 Nm                                                                                                             |
| Tolerance for nominal tightening torque                   | ± 20%                                                                                                            |
| Product weight                                            | 39 g                                                                                                             |
| Type of mounting                                          | External hexagon, size 21 mm                                                                                     |
| Pneumatic connection, port 1                              | Male thread G1/4                                                                                                 |
| 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                                                                                                              |

| Feature                         | Value                      |
|---------------------------------|----------------------------|
| Material tubing clamp component | High-alloy stainless steel |