

# Push-in fitting QS-V0-1/4-12

Part number: 160505

**FESTO**



 General operating condition

## Data sheet

| Feature                                         | Value                                                                     |
|-------------------------------------------------|---------------------------------------------------------------------------|
| Size                                            | Standard                                                                  |
| Nominal width                                   | 8.5 mm                                                                    |
| Material fire test                              | UL94 V-0 (housing)<br>UL94 V-0 (releasing ring)                           |
| Type of seal on screwed plug                    | Coating                                                                   |
| Design                                          | Straight design                                                           |
| Pack size                                       | 1                                                                         |
| Structural design                               | Push-pull principle                                                       |
| Operating pressure for entire temperature range | -0.095 MPa ... 1 MPa                                                      |
| Operating pressure for entire temperature range | -0.95 bar ... 10 bar                                                      |
| Operating pressure for entire temperature range | -13.775 psi ... 145 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        | Operation with oil lubrication possible                                   |
| Corrosion resistance class (CRC)                | 2 - Moderate corrosion stress                                             |
| LABS (PWIS) conformity                          | VDMA24364-B1/B2-L                                                         |
| Ambient temperature                             | 0 °C ... 60 °C                                                            |
| Nominal tightening torque                       | 9 Nm                                                                      |
| Tolerance for nominal tightening torque         | ± 20%                                                                     |
| Product weight                                  | 28 g                                                                      |
| Type of mounting                                | External hexagon, AF 21                                                   |
| Pneumatic connection 1                          | External thread R1/4                                                      |
| Pneumatic connection 2                          | for pneumatic tubing outside diameter 12 mm                               |
| Releasing ring color                            | Black                                                                     |
| Material of screwed plug                        | Brass, nickel-plated                                                      |
| Note on materials                               | RoHS-compliant                                                            |
| Housing material                                | PBT                                                                       |
| Releasing ring material                         | PBT                                                                       |
| Material of tubing seal                         | NBR                                                                       |
| Material of tube retaining claw                 | High-alloy stainless steel<br>Brass                                       |