

# Push-in T-fitting QST-G1/2-12

Part number: 186166

FESTO



General operating condition

## Data sheet

| Feature                                         | Value                                                                                                                      |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Size                                            | Standard                                                                                                                   |
| Nominal width                                   | 10.3 mm                                                                                                                    |
| Type of seal on screwed plug                    | Sealing ring                                                                                                               |
| Mounting position                               | Any                                                                                                                        |
| Design                                          | T-shape                                                                                                                    |
| Pack size                                       | 1                                                                                                                          |
| Structural design                               | Push-pull principle                                                                                                        |
| Operating pressure for entire temperature range | -0.095 MPa ... 0.6 MPa                                                                                                     |
| Operating pressure for entire temperature range | -0.95 bar ... 6 bar                                                                                                        |
| Operating pressure for entire 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                                                                                                    |
| 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<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 class                                 | Class 4 according to ISO 14644-1                                                                                           |
| Ambient temperature                             | -10 °C ... 80 °C                                                                                                           |
| Nominal tightening torque                       | 26 Nm                                                                                                                      |
| Tolerance for nominal tightening torque         | ± 20%                                                                                                                      |
| Product weight                                  | 78 g                                                                                                                       |
| No. of outlets                                  | 2                                                                                                                          |
| No. of supply lines                             | 1                                                                                                                          |
| Type of mounting                                | External hexagon, AF 24                                                                                                    |
| Pneumatic connection 1                          | External thread G1/2                                                                                                       |
| Pneumatic connection 2                          | for pneumatic tubing outside diameter 12 mm                                                                                |
| Releasing ring color                            | Blue                                                                                                                       |
| Material of screwed plug                        | Brass, nickel-plated                                                                                                       |
| Note on materials                               | RoHS-compliant                                                                                                             |
| Housing material                                | PBT                                                                                                                        |
| Releasing ring material                         | POM                                                                                                                        |

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