

# Push-in fitting NPQO-D-G18-Q6-P10

Part number: 8203295

**FESTO**



 General operating condition

## Data sheet

| Feature                                       | Value                                                                                                 |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Nominal size                                  | 4.2 mm                                                                                                |
| Tubing insertion depth                        | 15.6 mm                                                                                               |
| Type of seal on screwed plug                  | O-ring                                                                                                |
| Mounting position                             | Any                                                                                                   |
| Design                                        | Straight design                                                                                       |
| Size of pack                                  | 10                                                                                                    |
| Design                                        | Push-pull principle                                                                                   |
| Operating pressure complete temperature range | -0.09 MPa ... 2 MPa                                                                                   |
| Operating pressure complete temperature range | -0.9 bar ... 20 bar                                                                                   |
| Operating pressure complete temperature range | -13.05 psi ... 290 psi                                                                                |
| Operating medium                              | Compressed air to ISO 8573-1:2010 [7:4:4]<br>Inert gas<br>Carbon dioxide<br>Air<br>Oxygen<br>Nitrogen |
| Corrosion resistance class CRC                | 2 - Moderate corrosion stress                                                                         |
| LABS (PWIS) conformity                        | VDMA24364 zone III                                                                                    |
| Suitable for use with food                    | See supplementary material information                                                                |
| Media temperature                             | 0 °C ... 120 °C                                                                                       |
| Ambient temperature                           | 0 °C ... 120 °C                                                                                       |
| Biocompatibility according to standard        | ISO 18562                                                                                             |
| Oxygen suitability according to standard      | ASTM G 93<br>ISO 15001                                                                                |
| Maximum impurity level for hydrocarbons       | 550 mg/m <sup>2</sup>                                                                                 |
| Max. tightening torque                        | 6 Nm                                                                                                  |
| Nominal torque                                | 5 Nm                                                                                                  |
| Tolerance for nominal tightening torque       | ±10%                                                                                                  |
| Product weight                                | 8.51 g                                                                                                |
| Pneumatic connection, port 1                  | Male thread G1/8                                                                                      |
| Pneumatic connection, port 2                  | For tubing outside diameter of 6 mm                                                                   |
| Ambient temperature                           | 32 °F ... 248 °F                                                                                      |
| Colour of release ring                        | White                                                                                                 |
| Material screwed plug                         | High-alloy stainless steel                                                                            |
| Note on materials                             | RoHS compliant                                                                                        |
| Material housing                              | High-alloy stainless steel                                                                            |
| Material thread seal                          | Fluoro rubber                                                                                         |

| Feature                         | Value                      |
|---------------------------------|----------------------------|
| Material release ring           | PVDF                       |
| Material o-ring                 | Fluoro rubber              |
| Material tubing seal            | Fluoro rubber              |
| Material tubing clamp component | High-alloy stainless steel |
| Thrust ring material            | PVDF                       |