

# Push-in fitting NPQR-DK-G12-Q12

Part number: 8085669

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Size   | Standard   |
| Nominal width                                      | 8.4 mm   |
| Tubing insertion depth                             | 22.35 mm   |
| Type of seal on screwed plug                       | Sealing ring   |
| Mounting position                                  | Any  |
| Design   | Straight design  |
| Pack size  | 1  |
| Structural design                                  | Push-pull principle  |
| Symbol   | 00997424   |
| Operating pressure for entire temperature range    | -0.095 MPa ... 1.6 MPa   |
| Operating pressure for entire temperature range    | -0.95 bar ... 16 bar   |
| Operating pressure for entire temperature range    | -13.775 psi ... 232 psi  |
| Information on operating pressure                  | Water: max. 0.7 MPa at 0 - 80 °C   |
| Certificate issuing authority                      | NSF C0556009   |
| 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)                   | 4 - Particularly high corrosion stress   |
| LABS (PWIS) conformity                             | VDMA24364-B2-L   |
| Suitability for the production of Li-ion batteries | Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils |
| Cleanroom class                                    | Class 4 according to ISO 14644-1   |
| For use in the food industry                       | See declaration of conformity<br>NSF/ANSI 169  |
| Ambient temperature                                | -20 °C ... 150 °C  |
| Nominal tightening torque                          | 9 Nm   |
| Tolerance for nominal tightening torque            | ± 20%  |
| Product weight                                     | 40.7 g   |
| Type of mounting                                   | Internal hexagon, AF 8   |
| Pneumatic connection 1                             | External thread G1/2   |
| Pneumatic connection 2                             | for pneumatic tubing outside diameter 12 mm  |
| Note on materials                                  | RoHS-compliant   |
| Housing material                                   | High-alloy stainless steel   |

| <b>Feature</b>                  | <b>Value</b>               |
|---------------------------------|----------------------------|
| Material of threaded seal       | FPM                        |
| Guard ring material             | High-alloy stainless steel |
| Releasing ring material         | High-alloy stainless steel |
| Material of tubing seal         | FPM                        |
| Material of tube retaining claw | High-alloy stainless steel |
| Thrust ring material            | PPSU                       |