

# 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                                                      |
| Operating pressure for entire temperature range           | -0.095 MPa...1.6 MPa<br>-0.95 bar...16 bar<br>-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                  | Lubricated operation possible                                            |
| Corrosion resistance class (CRC)                          | 4 - Particularly high corrosion stress                                   |
| LABS (PWIS) conformity                                    | VDMA24364-B2-L                                                           |
| Suitability for the production of Li-ion batteries        | Suitable for battery production with reduced Cu/Zn/Ni values (F1a)       |
| Cleanroom suitability, measured according to ISO 14644-14 | 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                              |
| Releasing ring color                                      | Silver                                                                   |
| Note on materials                                         | RoHS compliant                                                           |
| Housing material                                          | high-alloy stainless steel                                               |

| Feature                         | Value                      |
|---------------------------------|----------------------------|
| 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                       |