

# Push-in fitting NPQR-L-G18-Q8

Part number: 8085682

FESTO



 General operating condition

## Data sheet

| Feature                                            | Value                                                                                                                                                    |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Size                                               | Standard                                                                                                                                                 |
| Nominal size                                       | 6 mm                                                                                                                                                     |
| Tubing insertion depth                             | 13 mm                                                                                                                                                    |
| Type of seal on screwed plug                       | Sealing ring                                                                                                                                             |
| Mounting position                                  | optional                                                                                                                                                 |
| Design                                             | L-shape                                                                                                                                                  |
| Size of pack                                       | 1                                                                                                                                                        |
| Design                                             | Push-pull principle                                                                                                                                      |
| Symbol                                             | 00997424                                                                                                                                                 |
| Operating pressure complete temperature range      | -0.095 MPa ... 1.6 MPa                                                                                                                                   |
| Operating pressure complete temperature range      | -0.95 bar ... 16 bar                                                                                                                                     |
| Operating pressure complete temperature range      | -13.775 psi ... 232 psi                                                                                                                                  |
| Note on operating pressure                         | Water: max. 0.7 MPa at 0 - 80 °C                                                                                                                         |
| Certificate issuing authority                      | NSF C0556009                                                                                                                                             |
| Operating medium                                   | Compressed air to ISO 8573-1:2010 [7:-:-]<br>Water (liquid, ice-free)                                                                                    |
| Note on operating and pilot medium                 | Lubricated operation possible                                                                                                                            |
| Corrosion resistance class CRC                     | 4 - Very high corrosion stress                                                                                                                           |
| LABS (PWIS) conformity                             | VDMA24364-B2-L                                                                                                                                           |
| Suitability for the production of Li-ion batteries | Suitable for battery production according to the Festo internal definition of the degree of severity F1A with restrictions regarding the use of Cu/Zn/Ni |
| Cleanroom class                                    | Class 4 according to ISO 14644-1                                                                                                                         |
| Suitable for use with food                         | See declaration of conformity<br>NSF/ANSI 169                                                                                                            |
| Ambient temperature                                | -20 °C ... 150 °C                                                                                                                                        |
| Nominal torque                                     | 6 Nm                                                                                                                                                     |
| Tolerance for nominal tightening torque            | ± 20%                                                                                                                                                    |
| Product weight                                     | 23.5 g                                                                                                                                                   |
| Type of mounting                                   | External hexagon, A/F 13 mm                                                                                                                              |
| Pneumatic connection, port 1                       | Male thread G1/8                                                                                                                                         |
| Pneumatic connection, port 2                       | For tubing outside diameter of 8 mm                                                                                                                      |
| Note on materials                                  | RoHS-compliant                                                                                                                                           |
| Material housing                                   | High-alloy stainless steel                                                                                                                               |
| Material thread seal                               | FPM                                                                                                                                                      |
| Guard ring material                                | High-alloy stainless steel                                                                                                                               |
| Material release ring                              | High-alloy stainless steel                                                                                                                               |

| Feature                         | Value                      |
|---------------------------------|----------------------------|
| Material tubing seal            | FPM                        |
| Material tubing clamp component | High-alloy stainless steel |
| Thrust ring material            | PPSU                       |