

# Push-in fitting NPQE-DK-G14-Q6-F1A-P10

Part number: 8144603

**FESTO**



 General operating condition

## Data sheet

| Feature                                            | Value                                                                                                                                                                                                                          |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Size                                               | Standard                                                                                                                                                                                                                       |
| Nominal size                                       | 4 mm                                                                                                                                                                                                                           |
| Type of seal on screwed plug                       | Sealing ring                                                                                                                                                                                                                   |
| Mounting position                                  | optional                                                                                                                                                                                                                       |
| Design                                             | Straight design                                                                                                                                                                                                                |
| Size of pack                                       | 10                                                                                                                                                                                                                             |
| Design                                             | Push-pull principle                                                                                                                                                                                                            |
| Variants                                           | Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils. |
| Operating pressure complete temperature range      | -0.095 MPa ... 0.8 MPa                                                                                                                                                                                                         |
| Operating pressure complete temperature range      | -0.95 bar ... 8 bar                                                                                                                                                                                                            |
| Operating pressure complete temperature range      | -13.775 psi ... 116 psi                                                                                                                                                                                                        |
| Operating medium                                   | Compressed air to ISO 8573-1:2010 [7:4:4]                                                                                                                                                                                      |
| Note on operating and pilot medium                 | Lubricated operation possible                                                                                                                                                                                                  |
| Corrosion resistance class CRC                     | 1 - Low corrosion stress                                                                                                                                                                                                       |
| LABS (PWIS) conformity                             | VDMA24364 zone III                                                                                                                                                                                                             |
| Suitability for the production of Li-ion batteries | Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils          |
| Cleanroom class                                    | Class 4 according to ISO 14644-1                                                                                                                                                                                               |
| Ambient temperature                                | -5 °C ... 60 °C                                                                                                                                                                                                                |
| Nominal torque                                     | 9 Nm                                                                                                                                                                                                                           |
| Tolerance for nominal tightening torque            | ± 20%                                                                                                                                                                                                                          |
| Product weight                                     | 11.42 g                                                                                                                                                                                                                        |
| Type of mounting                                   | Internal hexagon, size 4 mm                                                                                                                                                                                                    |
| Pneumatic connection, port 1                       | Male thread G1/4                                                                                                                                                                                                               |
| Pneumatic connection, port 2                       | For tubing outside diameter of 6 mm                                                                                                                                                                                            |
| Colour of release ring                             | Blue                                                                                                                                                                                                                           |
| Note on materials                                  | RoHS-compliant                                                                                                                                                                                                                 |
| Material housing                                   | High-alloy stainless steel                                                                                                                                                                                                     |
| Material thread seal                               | Aluminium<br>TPEE                                                                                                                                                                                                              |
| Material release ring                              | POM                                                                                                                                                                                                                            |
| Material tubing seal                               | NBR                                                                                                                                                                                                                            |
| Material tubing clamp component                    | High-alloy stainless steel                                                                                                                                                                                                     |