

# Push-in fitting NPQE-DK-M7-Q6-F1A-P10

Part number: 8144598

**FESTO**



## Data sheet

| Feature                                                   | Value                                                                                                                                                                                                                          |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Size                                                      | Mini                                                                                                                                                                                                                           |
| Nominal width                                             | 4 mm                                                                                                                                                                                                                           |
| Type of seal on screwed plug                              | Sealing ring                                                                                                                                                                                                                   |
| Mounting position                                         | Any                                                                                                                                                                                                                            |
| Design                                                    | Straight design                                                                                                                                                                                                                |
| Pack size                                                 | 10                                                                                                                                                                                                                             |
| Structural 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 for entire temperature range           | -0.095 MPa...0.8 MPa<br>-0.95 bar...8 bar<br>-13.775 psi...116 psi                                                                                                                                                             |
| Operating medium                                          | Compressed air as per ISO 8573-1:2010 [7:4:4]                                                                                                                                                                                  |
| Information on operating and pilot media                  | 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        | 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                                                                                                                                                                                               |
| Ambient temperature                                       | -5 °C...60 °C                                                                                                                                                                                                                  |
| Nominal tightening torque                                 | 2 Nm                                                                                                                                                                                                                           |
| Tolerance for nominal tightening torque                   | ±5%                                                                                                                                                                                                                            |
| Product weight                                            | 4.02 g                                                                                                                                                                                                                         |
| Type of mounting                                          | Internal hexagon, AF 4                                                                                                                                                                                                         |
| Pneumatic connection 1                                    | External thread M7                                                                                                                                                                                                             |
| Pneumatic connection 2                                    | for pneumatic tubing outside diameter 6 mm                                                                                                                                                                                     |
| Releasing ring color                                      | Blue                                                                                                                                                                                                                           |
| Note on materials                                         | RoHS compliant                                                                                                                                                                                                                 |
| Housing material                                          | high-alloy stainless steel                                                                                                                                                                                                     |
| Material of threaded seal                                 | NBR<br>high-alloy stainless steel                                                                                                                                                                                              |
| Releasing ring material                                   | POM                                                                                                                                                                                                                            |

| Feature                         | Value                      |
|---------------------------------|----------------------------|
| Material of tubing seal         | NBR                        |
| Material of tube retaining claw | high-alloy stainless steel |