

# Plug connector NPQR-H-Q12-E

Part number: 8085733

FESTO



## Data sheet

| Feature                                                   | Value                                                                     |
|-----------------------------------------------------------|---------------------------------------------------------------------------|
| Size                                                      | Standard                                                                  |
| Nominal width                                             | 11 mm                                                                     |
| Tubing insertion depth                                    | 22.4 mm                                                                   |
| Mounting position                                         | Any                                                                       |
| Design                                                    | Bulkhead                                                                  |
| 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                                                           |
| Min. tightening torque                                    | 15 Nm                                                                     |
| Max. tightening torque                                    | 20 Nm                                                                     |
| Product weight                                            | 88.1 g                                                                    |
| Pneumatic connection 1                                    | for pneumatic tubing outside diameter 12 mm                               |
| 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                                                |
| Guard ring material                                       | high-alloy stainless steel                                                |
| Releasing ring material                                   | high-alloy stainless steel                                                |

| Feature                         | Value                      |
|---------------------------------|----------------------------|
| Nut material                    | high-alloy stainless steel |
| Material of tubing seal         | FPM                        |
| Material of tube retaining claw | high-alloy stainless steel |
| Thrust ring material            | PPSU                       |