

# Stopper cylinder DFSP-Q-20-20-DF-PA

Part number: 576092

FESTO



 General operating condition

## Data sheet

| Feature                                              | Value                                                                                      |
|------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Stroke                                               | 20 mm                                                                                      |
| Piston diameter                                      | 20 mm                                                                                      |
| Piston rod thread                                    | M3                                                                                         |
| Cushioning                                           | Elastic cushioning rings/plates at both ends                                               |
| Mounting position                                    | optional                                                                                   |
| Mode of operation                                    | Double-acting                                                                              |
| Design                                               | Non-rotating                                                                               |
| Position detection                                   | Via proximity switch                                                                       |
| Piston-rod end                                       | Female thread                                                                              |
| Symbol                                               | 00991217                                                                                   |
| Variants                                             | Piston rod with female thread<br>Non-rotating piston rod                                   |
| Protection against torque/guide                      | Flattened piston rod                                                                       |
| Operating pressure                                   | 0.1 MPa ... 1 MPa                                                                          |
| Operating pressure                                   | 1 bar ... 10 bar                                                                           |
| Operating medium                                     | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |
| Note on operating and pilot medium                   | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                       | 2 - Moderate corrosion stress                                                              |
| LABS (PWIS) conformity                               | VDMA24364-B1/B2-L                                                                          |
| Cleanroom class                                      | Class 5 according to ISO 14644-1                                                           |
| Ambient temperature                                  | -10 °C ... 80 °C                                                                           |
| Impact force                                         | 1100 N                                                                                     |
| Permissible lateral force during switching operation | 228 N                                                                                      |
| Max. cycle frequency                                 | 5 Hz                                                                                       |
| Type of mounting                                     | Either:<br>With through-hole<br>Via female thread<br>With accessories                      |
| Pneumatic connection                                 | M5                                                                                         |
| Note on materials                                    | RoHS-compliant                                                                             |
| Material collar screws                               | Galvanised steel                                                                           |
| Material cover                                       | Wrought aluminium alloy<br>Anodised                                                        |
| Material seals                                       | TPE-U(PU)                                                                                  |
| Material piston rod                                  | High-alloy stainless steel                                                                 |
| Material roll                                        | Galvanised steel                                                                           |

| Feature                  | Value                                      |
|--------------------------|--------------------------------------------|
| Material cylinder barrel | Wrought aluminium alloy<br>Smooth anodised |