

# Stopper cylinder DFSP-50-20-PF-PA

Part number: 576159

**FESTO**



## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 20 mm  |
| Piston diameter                                      | 50 mm  |
| Piston rod thread                                    | M8   |
| Cushioning   | Elastic cushioning rings/plates at both ends   |
| Mounting position                                    | optional   |
| Mode of operation                                    | Single-acting<br>Pulling   |
| Design   | Piston<br>Piston rod<br>Profile barrel   |
| Position detection                                   | Via proximity switch   |
| Piston-rod end                                       | Female thread  |
| Variants   | Piston rod with female thread  |
| Protection against torque/guide                      | Round piston rod   |
| Operating pressure                                   | 0.12 MPa...1 MPa<br>1.2 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 6 according to ISO 14644-1   |
| Ambient temperature                                  | -10 °C...80 °C   |
| Impact force   | 6280 N   |
| Permissible lateral force during switching operation | 1570 N   |
| Max. cycle frequency                                 | 5 Hz   |
| Type of mounting                                     | With through-hole<br>Via female thread<br>With accessories<br>Either:                      |
| Pneumatic connection                                 | G1/8   |
| Note on materials                                    | RoHS-compliant   |
| Material collar screws                               | Galvanised steel   |

| Feature                  | Value                                      |
|--------------------------|--|
| Material cover           | Wrought aluminium alloy<br>Anodised        |
| Material seals           | TPE-U(PU)                                  |
| Material piston rod      | High-alloy stainless steel                 |
| Material roll            | Galvanised steel                           |
| Material cylinder barrel | Wrought aluminium alloy<br>Smooth anodised |