

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

Part number: 576150

FESTO



 General operating condition

## Data sheet

| Feature                                              | Value                                                              |
|------------------------------------------------------|--------------------------------------------------------------------|
| Stroke                                               | 20 mm                                                              |
| Piston diameter                                      | 50 mm                                                              |
| Cushioning                                           | Elastic cushioning rings/pads at both ends                         |
| Mounting position                                    | Any                                                                |
| Mode of operation                                    | Single-acting<br>Pulling                                           |
| Structural design                                    | Piston<br>Piston rod<br>Profile barrel                             |
| Position sensing                                     | For proximity sensor                                               |
| Symbol                                               | 00991850                                                           |
| Protection against torsion/guide                     | Round piston rod                                                   |
| Operating pressure                                   | 0.12 MPa ... 1 MPa                                                 |
| Operating pressure                                   | 1.2 bar ... 10 bar                                                 |
| Operating medium                                     | Compressed air as per ISO 8573-1:2010 [7:4:4]                      |
| Information on operating and pilot media             | Operation with oil lubrication possible (required for further use) |
| 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                                                   |
| Permissible impact force on the advanced piston rod  | 6280 N                                                             |
| Permissible lateral force during switching operation | 1570 N                                                             |
| Max. cycle rate                                      | 5 Hz                                                               |
| Type of mounting                                     | With through-hole<br>With internal thread<br>With accessories      |
| Pneumatic connection                                 | G1/8                                                               |
| Note on materials                                    | RoHS-compliant                                                     |
| Flange screws material                               | Steel, galvanized                                                  |
| Cover material                                       | Wrought aluminum alloy<br>Anodized                                 |
| Seals material                                       | TPE-U(PU)                                                          |
| Piston rod material                                  | High-alloy stainless steel                                         |
| Roller material                                      | Steel, galvanized                                                  |
| Material of cylinder barrel                          | Wrought aluminum alloy<br>Smooth anodized                          |