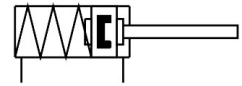


# Stopper cylinder DFSP-50-30-F-PA

Part number: 576155

**FESTO**



## Data sheet

| Feature                                                   | Value                                                                           |
|-----------------------------------------------------------|---------------------------------------------------------------------------------|
| Stroke                                                    | 30 mm                                                                           |
| Piston diameter                                           | 50 mm                                                                           |
| Piston rod thread                                         | M8                                                                              |
| Cushioning                                                | Elastic cushioning rings/pads at both ends                                      |
| Mounting position                                         | Any                                                                             |
| Mode of operation                                         | Double-acting<br>Pulling                                                        |
| Structural design                                         | Piston<br>Piston rod<br>Profile barrel                                          |
| Position sensing                                          | Via proximity switch                                                            |
| Piston rod end                                            | Internal thread                                                                 |
| Variants                                                  | Internal thread on piston rod                                                   |
| Protection against torsion/guide                          | Round piston rod                                                                |
| Operating pressure                                        | 0.12 MPa...1 MPa<br>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 suitability, measured according to ISO 14644-14 | 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                                          | Alternatively:<br>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                                              |

| Feature                     | Value                                     |
|-----------------------------|-------------------------------------------|
| 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 |