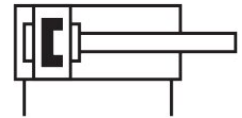


# Stopper cylinder DFSP-Q-50-30-DF-PA

Part number: 576164

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                                   | Value                                                                                      |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Stroke                                                    | 30 mm                                                                                      |
| Piston diameter                                           | 50 mm                                                                                      |
| Piston rod thread                                         | M8                                                                                         |
| Cushioning                                                | Elastic cushioning rings/plates at both ends                                               |
| Mounting position                                         | Any                                                                                        |
| Mode of operation                                         | Double-acting                                                                              |
| Design                                                    | Piston<br>Piston rod<br>Profile barrel<br>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 suitability, measured according to ISO 14644-14 | Class 5 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>With female thread<br>With accessories                                |
| Pneumatic connection                                      | G1/8                                                                                       |
| 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                                                                 |

| <b>Feature</b>           | <b>Value</b>                               |
|--------------------------|--------------------------------------------|
| Material roll            | Galvanised steel                           |
| Material cylinder barrel | Wrought aluminium alloy<br>Smooth-anodised |