

ISO cylinder DSBC-50-160-D3-PPSA-N3

Part number: 3659502

FESTO



Data sheet

| Feature | Value |
|--|--|
| Piston seal material | TPE-U(PU) |
| Piston rod wiper seal material | TPE-U(PU) |
| Cushion piston material | POM |
| Buffer seal material | TPE-U(PU) |
| Material of piston | Aluminium-Knetlegierung |
| Nut material | Stahl, verzinkt |
| Flange screws material | Stahl verzinkt |
| Material of bearing | POM |
| Stroke | 160 mm |
| Piston diameter | 50 mm |
| Piston rod thread | M16x1.5 |
| Type code | DSBC |
| Cushioning | Self-adjusting pneumatic end-position cushioning |
| Mounting position | Any |
| Conforms to standard | ISO 15552 |
| Piston rod end | External thread |
| Design | Piston rod Piston Profile barrel |
| Position sensing | For proximity sensor |
| Symbol | 00992970 |
| Variants | Piston rod at one end |
| Operating pressure | 0.4 bar ... 12 bar |
| Mode of operation | Double-acting |
| 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 |
| Ambient temperature | -20 °C ... 80 °C |
| Impact energy in the end positions | 1 J |
| Cushioning length | 22 mm |
| Theoretical force at 6 bar, retracting | 990 N |
| Theoretical force at 6 bar, advancing | 1178 N |
| Moving mass at 0 mm stroke | 365 g |
| Additional weight per 10 mm stroke | 56 g |
| Basic weight with 0 mm stroke | 1190 g |
| Additional moving mass per 10 mm stroke | 25 g |

| Feature | Value |
|-----------------------------|---|
| Type of mounting | With accessories Optionally: With internal thread |
| Pneumatic connection | G1/4 |
| Note on materials | RoHS-compliant |
| Cover material | Die-cast aluminum |
| Piston rod material | High-alloy steel |
| Material of cylinder barrel | Wrought aluminum alloy |