

ISO cylinder CRDNGS-80- -PPV-A

Part number: 160894

FESTO



Data sheet

| Feature | Value |
|--|---|
| Stroke | 10 mm...2000 mm |
| Piston diameter | 80 mm |
| Piston rod thread | M20x1.5 |
| Based on norm | ISO 15552 |
| Cushioning | Pneumatic cushioning, adjustable at both ends |
| Mounting position | Any |
| Piston rod end | External thread |
| Structural design | Piston Piston rod Pivoting clevis Tie rod Cylinder barrel |
| Position sensing | For proximity sensor |
| Variants | End cap with swiveling rod eye |
| Operating pressure | 0.06 MPa...1 MPa 0.6 bar...10 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) | 4 - Particularly high corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| For use in the food industry | See supplementary material information |
| Ambient temperature | -20 °C...80 °C |
| Cushioning length | 30 mm |
| Theoretical force at 6 bar, retracting | 2721 N |
| Theoretical force at 6 bar, advancing | 3016 N |
| Moving mass at 0 mm stroke | 1018 g |
| Additional moving mass per 10 mm stroke | 39 g |
| Basic weight with 0 mm stroke | 5804 g |
| Additional weight per 10 mm stroke | 92 g |
| Type of mounting | Optionally: With internal thread With accessories |

| Feature | Value |
|-----------------------------|----------------------------|
| Pneumatic connection | G3/8 |
| Cover material | Cast stainless steel |
| Seals material | TPE-U(PU) |
| Housing material | High-alloy stainless steel |
| Material of piston | Wrought aluminum alloy |
| Piston rod material | High-alloy stainless steel |
| Material of cylinder barrel | High-alloy stainless steel |
| Nut material | High-alloy stainless steel |
| Material of bearing | POM |
| Collar nut material | High-alloy stainless steel |
| Tie rod material | High-alloy stainless steel |