

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 standard | ISO 15552 |
| Cushioning | Pneumatic cushioning, adjustable at both ends |
| Mounting position | optional |
| Piston-rod end | Male thread |
| Design | Piston Piston rod Swivel clevis Tie rod Cylinder barrel |
| Position detection | Via proximity switch |
| Variants | End cap with swivelling rod eye |
| Operating pressure | 0.06 MPa...1 MPa 0.6 bar...10 bar |
| Mode of operation | Double-acting |
| 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 | 4 - Very high corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Suitable for use with food | See supplementary material information |
| Ambient temperature | -20 °C...80 °C |
| Cushioning length | 30 mm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 2721 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 3016 N |
| Moving mass for 0 mm stroke | 1018 g |
| Additional moving mass per 10 mm stroke | 39 g |
| Basic weight for 0 mm stroke | 5804 g |
| Additional weight per 10 mm stroke | 92 g |
| Type of mounting | Via female thread With accessories Either: |

| Feature | Value |
|--------------------------|----------------------------|
| Pneumatic connection | G3/8 |
| Material cover | Stainless steel casting |
| Material seals | TPE-U(PU) |
| Material housing | High-alloy stainless steel |
| Material piston | Wrought aluminium alloy |
| Material piston rod | High-alloy stainless steel |
| Material cylinder barrel | High-alloy stainless steel |
| Material nut | High-alloy stainless steel |
| Material bearing | POM |
| Material collar nut | High-alloy stainless steel |
| Material tie rod | High-alloy stainless steel |