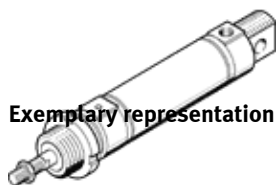


round cylinder ESNU-40- -P

Part number: 194003

FESTO

A minimum stroke of 10 mm is required for position sensing with proximity sensors.



Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|---|---|
| Stroke | 1 ... 50 mm |
| Piston diameter | 40 mm |
| Cushioning | P: Flexible cushioning rings/plates at both ends |
| Assembly position | Any |
| Design structure | Piston Piston rod Cylinder barrel |
| Position detection | For proximity sensor |
| Variants | Increased chemical resistance Extended male piston rod thread Female thread on piston rod Piston rod with special thread External piston rod thread shortened on one end Extended piston rod axial supply port Constant slow movement Low-friction Single-ended piston rod |
| Operating pressure MPa | 0.12 ... 1 MPa |
| Operating pressure | 1.2 ... 10 bar |
| Mode of operation | single-acting pushing action |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |
| PWIS conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -20 ... 120 °C |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 628 ... 658 N |
| Moving mass with 0 mm stroke | 230 g |
| Additional mass factor per 10 mm of stroke | 16 g |
| Basic weight for 0 mm stroke | 661 g |
| Additional weight per 10 mm stroke | 24 g |
| Mounting type | with accessories |
| Pneumatic connection | G1/4 |
| Materials note | Conforms to RoHS |
| Material cover | Wrought Aluminium alloy |
| Material seals | NBR TPE-U(PU) |
| Material piston rod | High alloy steel |
| Material cylinder barrel | High alloy steel, non-corrosive |