

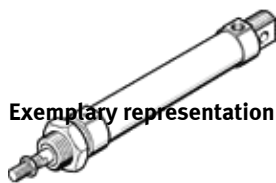
Standards-based cylinder

ESNU-12- -P

Part number: 193998

FESTO

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



Exemplary representation

Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|---|---|
| Stroke | 1 ... 50 mm |
| Piston diameter | 12 mm |
| Cushioning | P: Flexible cushioning rings/plates at both ends |
| Assembly position | Any |
| Conforms to standard | CETOP RP 52 P ISO 6432 |
| Design structure | Piston Piston rod Cylinder barrel |
| Position detection | For proximity sensor |
| Variants | Extended male piston rod thread External piston rod thread shortened on one end Extended piston rod axial supply port Single-ended piston rod |
| Operating pressure MPa | 0.15 ... 1 MPa |
| Working pressure | 1.5 ... 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 |
| Impact energy in end positions | 0.07 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 55 ... 57 N |
| Moving mass with 0 mm stroke | 18.5 g |
| Additional mass factor per 10 mm of stroke | 2 g |
| Basic weight for 0 mm stroke | 75 g |
| Additional weight per 10 mm stroke | 4 g |
| Mounting type | with accessories |
| Pneumatic connection | M5 |
| Materials note | Conforms to RoHS |
| Material cover | Wrought Aluminum alloy |
| Material piston rod | High alloy steel, non-corrosive |
| Material cylinder barrel | High alloy steel, non-corrosive |