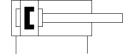# Standards-based cylinder
## DSNU-25-35-P-A
Part number: 1908308
★ Core product range

Based on DIN ISO 6432, for proximity sensing. Various mounting options, with or without additional mounting components. With elastic cushioning rings in the end positions.

**FESTO**

# Data sheet

| Feature | Value |
| --- | --- |
| Stroke | 35 mm |
| Piston diameter | 25 mm |
| Piston rod thread | M10x1,25 |
| Cushioning | P: Flexible cushioning rings/plates at both ends |
| Assembly position | Any |
| Conforms to standard | CETOP RP 52 P |
| | ISO 6432 |
| Piston-rod end | Male thread |
| Design structure | Piston |
| | Piston rod |
| | Cylinder barrel |
| Position detection | For proximity sensor |
| Variants | Single-ended piston rod |
| Operating pressure MPa | 0.1 ... 1 MPa |
| Working pressure | 1 ... 10 bar |
| Mode of operation | double-acting |
| 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 |
| Cleanroom class | ISO class 6 |
| Ambient temperature | -20 ... 80 °C |
| Impact energy in end positions | 0.3 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 247.4 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 294.5 N |
| Moving mass with 0 mm stroke | 71 g |
| Additional mass factor per 10 mm of stroke | 6 g |
| Basic weight for 0 mm stroke | 238 g |
| Additional weight per 10 mm stroke | 11 g |
| Mounting type | with accessories |
| Pneumatic connection | G1/8 |
| Materials note | Conforms to RoHS |
| Material cover | Wrought Aluminum alloy |
| | neutral anodization |
| Material seals | NBR |
| | TPE-U(PU) |
| Material piston rod | High alloy steel, non-corrosive |
| Material cylinder barrel | High alloy steel, non-corrosive |