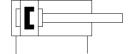
Standards-based cylinder DSNU-16-160-P-A Part number: 19205 Core product range

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.







Data sheet

| Feature | Value |
|--|--|
| Stroke | 160 mm |
| Piston diameter | 16 mm |
| Piston rod thread | M6 |
| 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 | 0.15 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 103.7 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 120.6 N |
| Moving mass with 0 mm stroke | 23 g |
| Additional mass factor per 10 mm of stroke | 2 g |
| Basic weight for 0 mm stroke | 89.9 g |
| Additional weight per 10 mm stroke | 4.6 g |
| Mounting type | with accessories |
| Pneumatic connection | M5 |
| 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 |