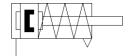
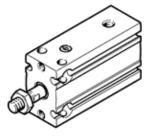
Compact cylinder DPDM-6-10-S-PA Part number: 4830910







Data sheet

| Feature | Value |
|---|--|
| Stroke | 10 mm |
| Piston diameter | 6 mm |
| Cushioning | P: Flexible cushioning rings/plates at both ends |
| Assembly position | Any |
| Mode of operation | single-acting |
| | pushing action |
| Design structure | Piston |
| | Piston rod |
| | Profile barrel |
| Position detection | For proximity sensor |
| Variants | Single-ended piston rod |
| Operating pressure MPa | 0.25 0.8 MPa |
| Working pressure | 2.5 8 bar |
| 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 | 1 - Low corrosion stress |
| PWIS conformity | VDMA24364-B2-L |
| Cleanroom class | ISO class 6 |
| Ambient temperature | -10 80 °C |
| Theoretical force at 0.6 MPa (6 bar, 87 psi) | 13 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 13 N |
| Moving mass with 0 mm stroke | 3 g |
| Additional mass factor per 10 mm of stroke | 0.6 g |
| Basic weight for 0 mm stroke | 21 g |
| Additional weight per 10 mm stroke | 6.3 g |
| Mounting type | with through hole |
| | with internal (female) thread |
| | Optional |
| Pneumatic connection | M5 |
| Materials note | Conforms to RoHS |
| Material cover | Wrought Aluminum alloy |
| Material seals | NBR |
| | TPE-U(PU) |
| Material housing | Anodised wrought aluminium alloy |
| Material piston rod | High alloy steel, non-corrosive |