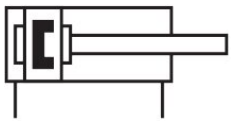
# Compact cylinder
# DPDM-32-10-PA

Part number: 4828436





General operating condition

## Data sheet

| Feature | Value |
|---|---|
| Stroke | 10 mm |
| Piston diameter | 32 mm |
| Cushioning | Elastic cushioning rings/plates at both ends |
| Mounting position | optional |
| Mode of operation | Double-acting |
| Design | Piston<br>Piston rod<br>Profile barrel |
| Position detection | Via proximity switch |
| Symbol | 00991217 |
| Variants | Piston rod at one end |
| Operating pressure | 0.1 MPa ... 0.8 MPa |
| Operating pressure | 1 bar ... 8 bar |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Cleanroom class | Class 6 according to ISO 14644-1 |
| Ambient temperature | -10 °C ... 80 °C |
| Theoretical force at 0.6 MPa (6 bar, 87 psi) | 483 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 415 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 483 N |
| Moving mass for 0 mm stroke | 85 g |
| Additional moving mass per 10 mm stroke | 9 g |
| Basic weight for 0 mm stroke | 307 g |
| Additional weight per 10 mm stroke | 51 g |
| Type of mounting | Either:<br>With through-hole<br>Via female thread |
| Pneumatic connection | G1/8 |
| Note on materials | RoHS-compliant |
| Material cover | Wrought aluminium alloy |
| Material seals | TPE-U(PU) |
| Material housing | Anodised wrought aluminium alloy |
| Material piston rod | High-alloy stainless steel |