

# Compact cylinder DPDM-Q-10-5-S-PA

Part number: 4833119

FESTO



## Data sheet

| Feature   | Value   |
|---|---|
| Stroke  | 5 mm  |
| Piston diameter                                       | 10 mm   |
| Cushioning  | P: Flexible cushioning rings/plates at both ends                            |
| Assembly position                                     | Any   |
| Mode of operation                                     | single-acting<br>pushing action   |
| Design structure                                      | Piston<br>Piston rod<br>Profile barrel                                      |
| Position detection                                    | For proximity sensor  |
| Variants  | Single-ended piston rod   |
| Protection against torque/guide                       | Guide rod with yoke   |
| Operating pressure MPa                                | 0.2 ... 0.8 MPa   |
| Working pressure                                      | 2 ... 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)          | 38 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 38 N  |
| Moving mass with 0 mm stroke                          | 13 g  |
| Additional mass factor per 10 mm of stroke            | 1.3 g   |
| Basic weight for 0 mm stroke                          | 37 g  |
| Additional weight per 10 mm stroke                    | 7.5 g   |
| Mounting type   | with through hole<br>with internal (female) thread<br>Optional              |
| Pneumatic connection                                  | M5  |
| Materials note  | Conforms to RoHS  |
| Material cover  | Wrought Aluminum alloy  |
| Material seals  | NBR<br>TPE-U(PU)  |
| Material housing                                      | Anodised wrought aluminium alloy  |
| Material piston rod                                   | High alloy steel, non-corrosive   |