

# Compact cylinder DPDM-6-10-P-PA

Part number: 4830947

**FESTO**



## Data sheet

| Feature                                                   | Value                                                              |
|-----------------------------------------------------------|--------------------------------------------------------------------|
| Stroke                                                    | 10 mm                                                              |
| Piston diameter                                           | 6 mm                                                               |
| Cushioning                                                | Elastic cushioning rings/pads at both ends                         |
| Mounting position                                         | Any                                                                |
| Mode of operation                                         | Single-acting<br>Pulling                                           |
| Structural design                                         | Piston<br>Piston rod<br>Profile barrel                             |
| Position sensing                                          | Via proximity switch                                               |
| Variants                                                  | Piston rod at one end                                              |
| Operating pressure                                        | 0.25 MPa...0.8 MPa<br>2.5 bar...8 bar                              |
| Operating medium                                          | Compressed air as per ISO 8573-1:2010 [7:4:4]                      |
| Information on operating and pilot media                  | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC)                          | 1 - Low corrosion stress                                           |
| LABS (PWIS) conformity                                    | VDMA24364-B2-L                                                     |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 6 according to ISO 14644-1                                   |
| Ambient temperature                                       | -10 °C...80 °C                                                     |
| Theoretical force at 6 bar, retracting                    | 9 N                                                                |
| Theoretical force at 6 bar, advancing                     | 9 N                                                                |
| Moving mass at 0 mm stroke                                | 3 g                                                                |
| Additional moving mass per 10 mm stroke                   | 0.6 g                                                              |
| Basic weight with 0 mm stroke                             | 21 g                                                               |
| Additional weight per 10 mm stroke                        | 6.3 g                                                              |
| Type of mounting                                          | Alternatively:<br>With through-hole<br>With internal thread        |
| Pneumatic connection                                      | M5                                                                 |
| Note on materials                                         | RoHS compliant                                                     |
| Cover material                                            | Wrought aluminum alloy                                             |
| Seals material                                            | TPE-U(PU)                                                          |
| Housing material                                          | Wrought aluminum alloy, anodized                                   |

| Feature             | Value                      |
|---------------------|----------------------------|
| Piston rod material | high-alloy stainless steel |