

# Compact air cylinder DPDM-25-40-PA

Part number: 4829576

**FESTO**



## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Stroke                                   | 40 mm                                                              |
| Piston diameter                          | 25 mm                                                              |
| Type code                                | DPDM                                                               |
| Cushioning                               | Elastic cushioning rings/pads at both ends                         |
| Mounting position                        | Any                                                                |
| Mode of operation                        | Double-acting                                                      |
| Structural design                        | Piston<br>Piston rod<br>Profile barrel                             |
| Position sensing                         | For proximity sensor                                               |
| 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 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)         | 2 - Moderate corrosion stress                                      |
| Ambient temperature                      | -10 °C ... 80 °C                                                   |
| Theoretical force at 6 bar               | 295 N                                                              |
| Theoretical force at 6 bar, retracting   | 247 N                                                              |
| Theoretical force at 6 bar, advancing    | 295 N                                                              |
| Moving mass at 0 mm stroke               | 58 g                                                               |
| Additional weight per 10 mm stroke       | 33.5 g                                                             |
| Basic weight with 0 mm stroke            | 205 g                                                              |
| Additional moving mass per 10 mm stroke  | 6.5 g                                                              |
| Type of mounting                         | Optionally:<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                                   |
| Piston rod material                      | High-alloy stainless steel                                         |