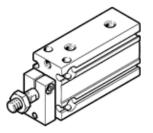
## compact cylinder DPDM-Q-25-15-PA Part number: 4840826



## **Data sheet**

| Feature  | Value  |
|--|--|
| Stroke   | 15 mm  |
| Piston diameter  | 25 mm  |
| Cushioning   | P: Flexible cushioning rings/plates at both ends                 |
| Assembly position  | Any  |
| Mode of operation  | double-acting  |
| Design structure   | Piston   |
|  | Piston rod   |
|  | Profile barrel   |
| Position detection                                       | For proximity sensor   |
| Variants   | Single-ended piston rod  |
| Protection against torque/guide                          | Guide rod with yoke  |
| Operating pressure MPa                                   | 0.1 0.8 MPa  |
| Operating pressure                                       | 1 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                  | 2 - Moderate 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)             | 295 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 247 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 295 N  |
| Moving mass with 0 mm stroke                             | 76 g   |
| Additional mass factor per 10 mm of stroke               | 8 g  |
| Basic weight for 0 mm stroke                             | 223 g  |
| Additional weight per 10 mm stroke                       | 35 g   |
| Mounting type  | with through hole  |
|  | with internal (female) thread                                    |
|  | Optional   |
| Pneumatic connection                                     | M5   |
| Materials note   | Conforms to RoHS   |
| Material cover   | Wrought Aluminium alloy  |
| Material seals   | TPE-U(PU)  |
| Material housing   | Anodised wrought aluminium alloy                                 |
| Material piston rod                                      | High alloy steel, non-corrosive                                  |

