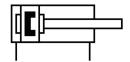
## Compact air cylinder ADN-25-10-A-PPS-A

Part number: 577182







## **Data sheet**

General operating condition

| Feature                                  | Value   |
|--|---|
| Stroke                                   | 10 mm   |
| Piston diameter                          | 25 mm   |
| Piston rod thread                        | M8  |
| Cushioning                               | Self-adjusting pneumatic end-position cushioning                    |
| Mounting position                        | Any   |
| Conforms to standard                     | ISO 21287   |
| Piston rod end                           | External thread   |
| Position sensing                         | For proximity sensor  |
| Symbol                                   | 00991217  |
| Variants                                 | Piston rod at one end   |
| Operating pressure                       | 0.15 MPa 1 MPa  |
| Operating pressure                       | 1.5 bar 10 bar  |
| Mode of operation                        | Double-acting   |
| 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                                       |
| LABS (PWIS) conformity                   | VDMA24364-B1/B2-L   |
| Cleanroom class                          | Class 6 according to ISO 14644-1                                    |
| Ambient temperature                      | -20 °C 80 °C  |
| Impact energy in the end positions       | 0.3 J   |
| Cushioning length                        | 3.5 mm  |
| Theoretical force at 6 bar, retracting   | 247 N   |
| Theoretical force at 6 bar, advancing    | 295 N   |
| Moving mass                              | 46 g  |
| Product weight                           | 199 g   |
| Type of mounting                         | Optionally: With through-hole With internal thread With accessories |
| Pneumatic connection                     | M5  |
| Note on materials                        | RoHS-compliant  |
| Flange screws material                   | Steel   |
| Cover material                           | Wrought aluminum alloy, anodized                                    |
| Seals material                           | TPE-U(PUR)  |
| Piston rod material                      | High-alloy steel  |
| Material of cylinder barrel              | Wrought aluminum alloy, smooth-anodized                             |