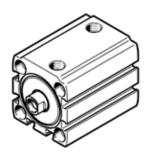
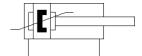
## Compact cylinder ADN-80-70-I-PPS-A-C Part number: 8076249 Product to be discontinued

Type to be discontinued. Available until 2022. See Support Portal for alternative products.







## **Data sheet**

| Feature  | Value   |
|--|---|
| Stroke   | 70 mm   |
| Piston diameter  | 80 mm   |
| Piston rod thread  | M16x1,5   |
| Cushioning   | PPS: Self-adjusting pneumatic end-position cushioning                       |
| Assembly position  | Any   |
| Conforms to standard                                     | ISO 21287   |
| Piston-rod end   | Female thread   |
| Design structure   | Piston  |
|  | Piston rod  |
| Position detection                                       | For proximity sensor  |
| Variants   | Single-ended piston rod   |
| Operating pressure MPa                                   | 0.1 1 MPa   |
| Working pressure   | 1 10 bar  |
| Mode of operation  | double-acting   |
| 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  |
| Ambient temperature                                      | -20 80 °C   |
| Impact energy in end positions                           | 8)  |
| Cushioning length  | 7.5 mm  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 2,827 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 3,016 N   |
| Moving mass with 0 mm stroke                             | 293 g   |
| Additional weight per 10 mm stroke                       | 114 g   |
| Basic weight for 0 mm stroke                             | 1,266 g   |
| Additional mass factor per 10 mm of stroke               | 24 g  |
| Mounting type  | with through hole   |
|  | with internal (female) thread   |
|  | with accessories  |
|  | Optional  |
| Pneumatic connection                                     | G1/8  |
| Materials note   | Conforms to RoHS  |
| Material cover   | Wrought Aluminum alloy  |
| Material seals   | TPE-U(PUR)  |
| Material piston rod                                      | High alloy steel  |
| Material cylinder barrel                                 | Wrought Aluminum alloy  |
|  | Smooth anodized   |