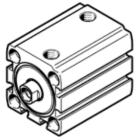
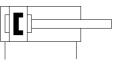
## **Compact cylinder ADN-80-10-I-P-A-C** Part number: 8076218 Product to be discontinued

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



## **Data sheet**

| Feature  | Value  |
|--|--|
| Stroke   | 10 mm  |
| Piston diameter  | 80 mm  |
| Piston rod thread  | M16x1,5  |
| Cushioning   | P: Flexible cushioning rings/plates at both ends                 |
| 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                                   | 0.04 1 MPa   |
| Working pressure   | 0.4 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                           | 1.8 J  |
| 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  |



## **FESTO**