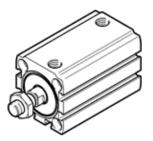
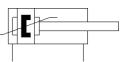
## compact cylinder ADN-50-10-A-PPS-A-C Part number: 8076144

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



## **Data sheet**

| Feature  | Value  |
|--|--|
| Stroke   | 10 mm  |
| Piston diameter  | 50 mm  |
| Piston rod thread  | M12x1,25   |
| Cushioning   | PPS: Self-adjusting pneumatic end-position cushioning            |
| Assembly position  | Any  |
| Conforms to standard                                     | ISO 21287  |
| Piston-rod end   | Male thread  |
| Design structure   | Piston   |
|  | Piston rod   |
| Position detection                                       | For proximity sensor   |
| Variants   | Single-ended piston rod  |
| Operating pressure MPa                                   | 0.1 1 MPa  |
| Operating 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                           | 2.8 J  |
| Cushioning length  | 6 mm   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 1,057 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 1,178 N  |
| Moving mass with 0 mm stroke                             | 118 g  |
| Additional weight per 10 mm stroke                       | 63 g   |
| Basic weight for 0 mm stroke                             | 495.5 g  |
| Additional mass factor per 10 mm of stroke               | 16 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 Aluminium alloy  |
| Material seals   | TPE-U(PUR)   |
| Material piston rod                                      | High alloy steel   |
| Material cylinder barrel                                 | Wrought Aluminium alloy  |
|  | Smooth anodised  |



**FESTO**