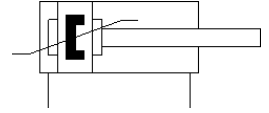


# Compact cylinder ADN-20-30-I-PPS-A-C

Part number: 8076110

FESTO

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



## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 30 mm  |
| Piston diameter  | 20 mm  |
| Piston rod thread  | M8   |
| Cushioning   | PPS: Self-adjusting pneumatic end-position cushioning                              |
| Assembly position  | Any  |
| Conforms to standard                                     | ISO 21287  |
| Piston-rod end   | Female thread  |
| Design structure   | Piston<br>Piston rod   |
| Position detection                                       | For proximity sensor   |
| Variants   | Single-ended piston rod  |
| Operating pressure MPa                                   | 0.15 ... 1 MPa   |
| Working pressure   | 1.5 ... 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                           | 0.65 J   |
| Cushioning length  | 3 mm   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 141 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 188 N  |
| Moving mass with 0 mm stroke                             | 24.5 g   |
| Additional weight per 10 mm stroke                       | 26 g   |
| Basic weight for 0 mm stroke                             | 110 g  |
| Additional mass factor per 10 mm of stroke               | 6 g  |
| Mounting type  | with through hole<br>with internal (female) thread<br>with accessories<br>Optional |
| Pneumatic connection                                     | M5   |
| 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<br>Smooth anodized  |