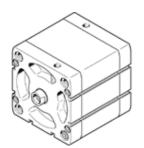
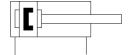
## compact cylinder ADN-100-60-I-PPS-A Part number: 577197

**FESTO** 

with self-adjusting pneumatic end position cushioning





## **Data sheet**

| Feature                                                  | Value                                                                       |
|----------------------------------------------------------|-----------------------------------------------------------------------------|
| Stroke                                                   | 60 mm                                                                       |
| Piston diameter                                          | 100 mm                                                                      |
| Piston rod thread                                        | M12                                                                         |
| Cushioning                                               | PPS: Self-adjusting pneumatic end-position cushioning                       |
| Assembly position                                        | Any                                                                         |
| Conforms to standard                                     | ISO 21287                                                                   |
| Piston-rod end                                           | Female thread                                                               |
| 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                  | 2 - Moderate corrosion stress                                               |
| PWIS conformity                                          | VDMA24364-B1/B2-L                                                           |
| Ambient temperature                                      | -20 80 °C                                                                   |
| Impact energy in end positions                           | 2.5 J                                                                       |
| Cushioning length                                        | 10 mm                                                                       |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 4,524 N                                                                     |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 4,712 N                                                                     |
| Moving mass with 0 mm stroke                             | 570 g                                                                       |
| Additional mass factor per 10 mm of stroke               | 25 g                                                                        |
| Basic weight for 0 mm stroke                             | 2,154 g                                                                     |
| Additional weight per 10 mm stroke                       | 98 g                                                                        |
| Mounting type                                            | with through hole                                                           |
|                                                          | with internal (female) thread                                               |
|                                                          | with accessories                                                            |
|                                                          | Optional                                                                    |
| Pneumatic connection                                     | G1/8                                                                        |
| Materials note                                           | Conforms to RoHS                                                            |
| Material of flange screw                                 | Steel                                                                       |
| Material cover                                           | Die-cast aluminium, coated                                                  |
| Material seals                                           | TPE-U(PUR)                                                                  |
| Material piston rod                                      | High alloy steel                                                            |
| Material cylinder barrel                                 | Smooth-anodised wrought aluminium alloy                                     |