

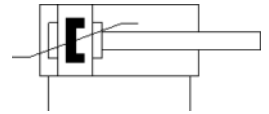
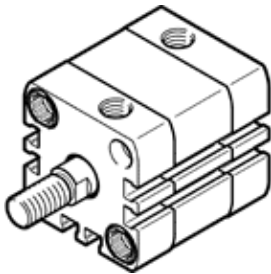
# Compact cylinder ADN-50-40-A-PPS-A

Part number: 572696

★ Core product range

with self-adjusting pneumatic end position cushioning

**FESTO**



## Data sheet

| Feature                                    | values                                                                             |
|--------------------------------------------|------------------------------------------------------------------------------------|
| Stroke                                     | 40 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                                                                        |
| Position detection                         | For proximity sensor                                                               |
| Variants                                   | Single-ended piston rod                                                            |
| 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    | 2                                                                                  |
| Ambient temperature                        | -20 ... 80 °C                                                                      |
| Impact energy in end positions             | 2.8 J                                                                              |
| Cushioning length                          | 6 mm                                                                               |
| Theoretical force at 6 bar, return stroke  | 1,057 N                                                                            |
| Theoretical force at 6 bar, advance stroke | 1,178 N                                                                            |
| Moving mass with 0 mm stroke               | 140 g                                                                              |
| Additional weight per 10 mm stroke         | 51 g                                                                               |
| Basic weight for 0 mm stroke               | 540 g                                                                              |
| Additional mass factor per 10 mm of stroke | 16 g                                                                               |
| Mounting type                              | Optional<br>with through hole<br>with internal (female) thread<br>with accessories |
| Pneumatic connection                       | G1/8                                                                               |
| Materials note                             | Conforms to RoHS                                                                   |
| Materials information for cover            | Aluminum<br>Anodized                                                               |
| Materials information for seals            | TPE-U(PUR)                                                                         |
| Materials information for piston rod       | High alloy steel                                                                   |
| Materials information for cylinder barrel  | Wrought Aluminum alloy<br>Smooth anodized                                          |