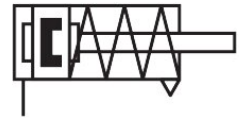


# Compact cylinder AEN-S-12-5-I-P-A

Part number: 8076475

**FESTO**



## Data sheet

| Feature                                  | Value                                                                           |
|------------------------------------------|---------------------------------------------------------------------------------|
| Stroke                                   | 5 mm                                                                            |
| Piston diameter                          | 12 mm                                                                           |
| Cushioning                               | Elastic cushioning rings/pads at both ends                                      |
| Mounting position                        | Any                                                                             |
| Mode of operation                        | Pushing                                                                         |
| Piston rod end                           | Internal thread                                                                 |
| Structural design                        | Piston<br>Piston rod                                                            |
| Position sensing                         | Via proximity switch                                                            |
| Variants                                 | Piston rod at one end                                                           |
| Operating pressure                       | 0.1 MPa...1 MPa<br>1 bar...10 bar                                               |
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:4:4]                                   |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use)              |
| Corrosion resistance class (CRC)         | 1 - Low corrosion stress                                                        |
| LABS (PWIS) conformity                   | VDMA24364-B2-L                                                                  |
| Ambient temperature                      | 0 °C...80 °C                                                                    |
| Impact energy in the end positions       | 0.022 J                                                                         |
| Theoretical force at 6 bar, retracting   | 6 N                                                                             |
| Theoretical force at 6 bar, advancing    | 60 N                                                                            |
| Moving mass at 0 mm stroke               | 6 g                                                                             |
| Additional moving mass per 10 mm stroke  | 2 g                                                                             |
| Basic weight with 0 mm stroke            | 33 g                                                                            |
| Additional weight per 10 mm stroke       | 15 g                                                                            |
| Type of mounting                         | Alternatively:<br>With through-hole<br>With internal thread<br>With accessories |
| Pneumatic connection                     | M5                                                                              |
| Note on materials                        | RoHS compliant                                                                  |
| Cover material                           | Wrought aluminum alloy, anodized                                                |
| Material of dynamic seals                | NBR<br>TPE-U(PU)                                                                |

| Feature             | Value                            |
|---------------------|----------------------------------|
| Housing material    | Wrought aluminum alloy, anodized |
| Piston rod material | high-alloy stainless steel       |