

Compact air cylinders

ADN-S-16-5-I-P

Part number: 8076393

FESTO



Data sheet

| Feature | Value |
|--|--|
| Stroke | 5 mm |
| Piston diameter | 16 mm |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Piston rod end | Internal thread |
| Structural design | Piston Piston rod |
| Variants | Piston rod at one end |
| Operating pressure | 0.1 MPa...1 MPa 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 |
| Cleanroom class | Class 6 according to ISO 14644-1 |
| Ambient temperature | 0 °C...60 °C |
| Impact energy in the end positions | 0.1 J |
| Theoretical force at 6 bar, retracting | 90 N |
| Theoretical force at 6 bar, advancing | 121 N |
| Moving mass at 0 mm stroke | 6 g |
| Additional moving mass per 10 mm stroke | 4 g |
| Basic weight with 0 mm stroke | 32.5 g |
| Additional weight per 10 mm stroke | 18 g |
| Type of mounting | With through-hole With internal thread With accessories Optionally: |
| Pneumatic connection | M5 |
| Note on materials | RoHS-compliant |
| Cover material | Wrought aluminum alloy, anodized |
| Material of dynamic seals | NBR |
| Housing material | Wrought aluminum alloy, anodized |

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|---------------------|----------------------------|
| Piston rod material | High-alloy stainless steel |