

Compact cylinder ADN-S-12-35-A-P-A

Part number: 8091425

FESTO



Data sheet

| Feature | Value |
|--|--|
| Stroke | 35 mm |
| Piston diameter | 12 mm |
| Cushioning | Elastic cushioning rings/plates at both ends |
| Mounting position | optional |
| Mode of operation | Double-acting |
| Piston-rod end | Male thread |
| Design | Piston Piston rod |
| Position detection | Via proximity switch |
| Variants | Piston rod at one end |
| Operating pressure | 0.1 MPa...1 MPa 1 bar...10 bar |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| 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 end positions | 0.07 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 51 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 68 N |
| Moving mass for 0 mm stroke | 6 g |
| Additional moving mass per 10 mm stroke | 2 g |
| Basic weight for 0 mm stroke | 33 g |
| Additional weight per 10 mm stroke | 15 g |
| Type of mounting | With through-hole Via female thread With accessories Either: |
| Pneumatic connection | M5 |
| Note on materials | RoHS-compliant |
| Material cover | Anodised wrought aluminium alloy |

| Feature | Value |
|------------------------|----------------------------------|
| Material dynamic seals | NBR TPE-U(PU) |
| Material housing | Anodised wrought aluminium alloy |
| Material piston rod | High-alloy stainless steel |