

Compact cylinder ADN-S-25-50-A-P

Part number: 8092105

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|--|--|
| Stroke | 50 mm |
| Piston diameter | 25 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 |
| Symbol | 00991227 |
| Variants | Piston rod at one end |
| Operating pressure | 0.06 MPa ... 1 MPa |
| Operating pressure | 0.6 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 suitability, measured according to ISO 14644-14 | Class 5 according to ISO 14644-1 |
| Ambient temperature | 0 °C ... 80 °C |
| Impact energy in end positions | 0.18 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 247 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 295 N |
| Moving mass for 0 mm stroke | 17 g |
| Additional moving mass per 10 mm stroke | 6 g |
| Basic weight for 0 mm stroke | 70 g |
| Additional weight per 10 mm stroke | 30 g |
| Type of mounting | With through-hole Via female thread With accessories |
| Pneumatic connection | M5 |
| Note on materials | RoHS-compliant |
| Material cover | Anodised wrought aluminium alloy |
| Material dynamic seals | NBR |
| Material housing | Anodised wrought aluminium alloy |
| Material piston rod | High-alloy stainless steel |