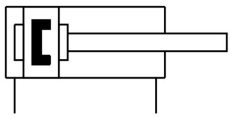
# Compact air cylinder
# ADN-S-12-25-A-P-A

Part number: 8091421





## Data sheet

| Feature | Value |
|---|---|
| Stroke | 25 mm |
| Piston diameter | 12 mm |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Piston rod end | External thread |
| Structural design | Piston<br>Piston rod |
| Position sensing | For proximity sensor |
| Symbol | 00991217 |
| Variants | Piston rod at one end |
| Operating pressure | 0.1 MPa ... 1 MPa |
| Operating pressure | 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 |
| Ambient temperature | 0 °C ... 60 °C |
| Impact energy in the end positions | 0.07 J |
| Theoretical force at 6 bar, retracting | 51 N |
| Theoretical force at 6 bar, advancing | 68 N |
| Moving mass at 0 mm stroke | 6 g |
| Additional weight per 10 mm stroke | 15 g |
| Basic weight with 0 mm stroke | 33 g |
| Additional moving mass per 10 mm stroke | 2 g |
| Type of mounting | Optionally:<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) |
| Housing material | Wrought aluminum alloy, anodized |
| Piston rod material | High-alloy stainless steel |