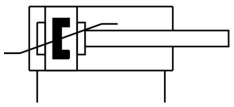
# Compact air cylinder
# ADN-80-40-I-PPS-A

Part number: 572723





## Data sheet

| Feature | Value |
|---|---|
| Stroke | 40 mm |
| Piston diameter | 80 mm |
| Piston rod thread | M12 |
| Type code | ADN |
| Cushioning | Self-adjusting pneumatic end-position cushioning |
| Mounting position | Any |
| Conforms to standard | ISO 21287 |
| Piston rod end | Internal thread |
| Position sensing | For proximity sensor |
| Symbol | 00992970 |
| Variants | Piston rod at one end |
| Operating pressure | 1 bar ... 10 bar |
| Mode of operation | Double-acting |
| 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) | 2 - Moderate corrosion stress |
| Ambient temperature | -20 °C ... 80 °C |
| Impact energy in the end positions | 8 J |
| Cushioning length | 7.5 mm |
| Theoretical force at 6 bar, retracting | 2827 N |
| Theoretical force at 6 bar, advancing | 3016 N |
| Moving mass at 0 mm stroke | 400 g |
| Additional weight per 10 mm stroke | 79 g |
| Basic weight with 0 mm stroke | 1300 g |
| Additional moving mass per 10 mm stroke | 25 g |
| Type of mounting | With accessories<br>Optionally:<br>With internal thread<br>With through-hole |
| Pneumatic connection | G1/8 |
| Note on materials | RoHS-compliant |
| Cover material | Anodized<br>Aluminum |
| Seals material | TPE-U(PUR) |
| Piston rod material | High-alloy steel |
| Material of cylinder barrel | Smooth anodized<br>Wrought aluminum alloy |