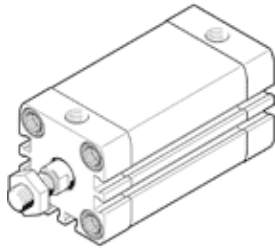


Compact cylinder ADNP-50-40-A-P-A

Part number: 571967
Product to be discontinued

FESTO

To ISO 21287, for position sensing, with male thread on the piston rod.
Type to be discontinued. Available until 2017. See Support Portal for alternative products.



Data sheet

| Feature | Value |
|--|--|
| Stroke | 40 mm |
| Piston diameter | 50 mm |
| Piston rod thread | M12x1,25 |
| Based on the standard | ISO 21287 |
| Cushioning | P: Flexible cushioning rings/plates at both ends |
| Assembly position | Any |
| Piston-rod end | Male thread |
| Design structure | Piston Piston rod Cylinder barrel |
| Position detection | For proximity sensor |
| Variants | Single-ended piston rod |
| Working pressure | 0.6 ... 10 bar |
| Mode of operation | double-acting |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |
| Ambient temperature | -10 ... 60 °C |
| Impact energy in end positions | 0.8 J |
| Theoretical force at 6 bar, return stroke | 1,057 N |
| Theoretical force at 6 bar, advance stroke | 1,178 N |
| Moving mass with 0 mm stroke | 94 g |
| Additional weight per 10 mm stroke | 41 g |
| Basic weight for 0 mm stroke | 380 g |
| Additional mass factor per 10 mm of stroke | 6 g |
| Mounting type | Optional with through hole with internal (female) thread with accessories |
| Pneumatic connection | G1/8 |
| Materials information for cover | PA-reinforced |
| Materials information for seals | TPE-U(PU) |
| Materials information for piston rod | Wrought Aluminum alloy Anodized |
| Materials information for cylinder barrel | Wrought Aluminum alloy Smooth anodized |