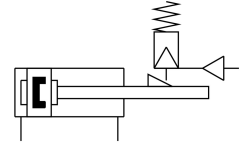
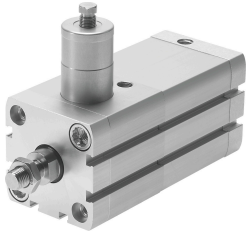


Compact air cylinder ADN-50- -KP-

Part number: 548210

FESTO



Data sheet

| Feature | Value |
|--|---|
| Stroke | 10 mm...400 mm |
| Piston diameter | 50 mm |
| Piston rod thread | M12x1.25 |
| Based on norm | ISO 21287 |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Clamping type with active direction | Both sides |
| Piston rod end | Internal thread |
| Structural design | Piston Piston rod Cylinder barrel |
| Position sensing | For proximity sensor |
| Variants | Extended external thread piston rod Special thread on piston rod Extended piston rod Laser etched rating plate |
| Operating pressure | 0.15 MPa...1 MPa 1.5 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 |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -10 °C...80 °C |
| Impact energy in the end positions | 1 J |
| Theoretical force at 6 bar, retracting | 990 N |
| Theoretical force at 6 bar, advancing | 1178 N |
| Moving mass at 0 mm stroke | 296 g |
| Additional moving mass per 10 mm stroke | 25 g |
| Basic weight with 0 mm stroke | 1268 g |
| Additional weight per 10 mm stroke | 60 g |
| Type of mounting | With internal thread With accessories |

| Feature | Value |
|-----------------------------|---|
| Pneumatic connection | G1/8 |
| Note on materials | RoHS-compliant |
| Cover material | Wrought aluminum alloy Anodized |
| Piston rod material | High-alloy steel |
| Material of cylinder barrel | Wrought aluminum alloy Smooth anodized |