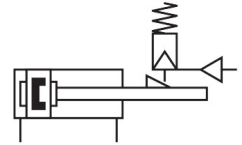
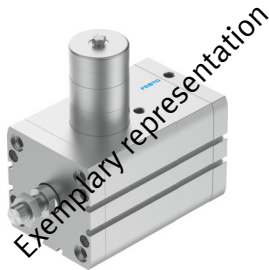



Compact cylinder ADN-80- -KP-

Part number: 548212

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|--|--|
| Stroke | 10 mm ... 500 mm |
| Piston diameter | 80 mm |
| Piston rod thread | M16x1.5 |
| Based on standard | ISO 21287 |
| Cushioning | Elastic cushioning rings/plates at both ends |
| Mounting position | optional |
| Type of clamping with direction of action | on both sides |
| Piston-rod end | Female thread |
| Design | Piston Piston rod Cylinder barrel |
| Position detection | Via proximity switch |
| Symbol | 00991260 |
| Variants | Extended male piston rod thread Custom thread on the piston rod Extended piston rod Laser etched rating plate |
| Operating pressure | 0.15 MPa ... 1 MPa |
| Operating pressure | 1.5 bar ... 10 bar |
| Mode of operation | Double-acting |
| 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 | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -10 °C ... 80 °C |
| Impact energy in end positions | 1.8 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 2721 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 3016 N |
| Moving mass for 0 mm stroke | 755 g |
| Additional moving mass per 10 mm stroke | 39 g |
| Basic weight for 0 mm stroke | 3973 g |
| Additional weight per 10 mm stroke | 93 g |
| Type of mounting | Via female thread With accessories |
| Pneumatic connection | G1/8 |

| Feature | Value |
|--------------------------|--|
| Note on materials | RoHS-compliant |
| Material cover | Wrought aluminium alloy Anodised |
| Material piston rod | High-alloy steel |
| Material cylinder barrel | Wrought aluminium alloy Smooth anodised |