

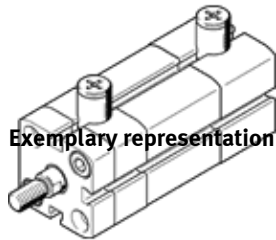
Compact cylinder

ADN-25- -EL-

Part number: 548215

FESTO

In accordance with ISO 21287, for position sensing, with male or female thread on the piston rod, with integrated end position locking



Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|--|---|
| Stroke | 10 ... 300 mm |
| Piston diameter | 25 mm |
| Piston rod thread | M8 |
| Based on the standard | ISO 21287 |
| Cushioning | P: Flexible cushioning rings/plates at both ends |
| Assembly position | Any |
| Piston-rod end | Female thread |
| Design structure | Piston Piston rod Cylinder barrel |
| Position detection | For proximity sensor |
| Variants | End position locking Both end positions With end position locking at rear With end position locking at front Extended male piston rod thread Piston rod with special thread Extended piston rod laser etched rating plate |
| Operating pressure MPa | 0.25 ... 1 MPa |
| Working pressure | 2.5 ... 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 |
| PWIS conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -20 ... 80 °C |
| Impact energy in end positions | 0.3 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 247 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 295 N |
| Additional mass factor per 10 mm of stroke | 6 g |
| Mounting type | with internal (female) thread with accessories |
| Pneumatic connection | M5 |
| Materials note | Conforms to RoHS |
| Material cover | Wrought Aluminum alloy Anodized |
| Material piston rod | High alloy steel |
| Material cylinder barrel | Wrought Aluminum alloy Smooth anodized |