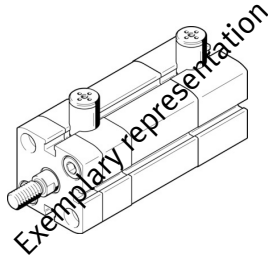


# Compact cylinder ADN-25- -EL-

Part number: 548215

FESTO



 General operating condition

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature  | Value  |
|--|--|
| Stroke   | 10 mm ... 300 mm   |
| Piston diameter  | 25 mm  |
| Piston rod thread  | M8   |
| Based on standard  | ISO 21287  |
| Cushioning   | Elastic cushioning rings/plates at both ends   |
| Mounting position  | optional   |
| Piston-rod end   | Female thread  |
| Design   | Piston<br>Piston rod<br>Cylinder barrel  |
| Position detection   | Via proximity switch   |
| Variants   | With end-position locking on both sides<br>With end-position locking at rear<br>With end-position locking at front<br>Extended male piston rod thread<br>Custom thread on the piston rod<br>Extended piston rod<br>Laser etched rating plate |
| Operating pressure   | 0.25 MPa ... 1 MPa   |
| Operating pressure   | 2.5 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  | -20 °C ... 80 °C   |
| Impact energy in end positions                               | 0.3 J  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 247 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 295 N  |
| Additional moving mass per 10 mm stroke                      | 6 g  |
| Type of mounting   | Via female thread<br>With accessories  |
| Pneumatic connection   | M5   |
| Note on materials  | RoHS-compliant   |
| Material cover   | Wrought aluminium alloy<br>Anodised  |
| Material piston rod  | High-alloy steel   |

| Feature                  | Value                                      |
|--------------------------|--|
| Material cylinder barrel | Wrought aluminium alloy<br>Smooth anodised |