

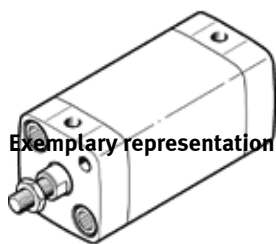
# compact cylinder

## CDC-80- -

Part number: 543311

FESTO

Based on ISO 21287, Clean Design



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature  | Value   |
|--|---|
| Stroke   | 1 ... 500 mm  |
| Piston diameter  | 80 mm   |
| Based on the standard                                    | ISO 21287   |
| Cushioning   | P: Flexible cushioning rings/plates at both ends  |
| Assembly position  | Any   |
| Design structure   | Piston<br>Piston rod  |
| Position detection                                       | For proximity sensor  |
| Variants   | Extended male piston rod thread<br>Piston rod with special thread<br>Extended piston rod<br>Through piston rod<br>Heat resistant seals, max. 120°C<br>Single-ended piston rod |
| Operating pressure MPa                                   | 0.06 ... 1 MPa  |
| Operating pressure                                       | 0.6 ... 10 bar  |
| Mode of operation  | double-acting   |
| CE mark (see declaration of conformity)                  | to EU directive for EMC   |
| UKCA marking (see declaration of conformity)             | To UK instructions for EMC  |
| 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                  | 3 - High corrosion stress   |
| PWIS conformity  | VDMA24364-B2-L<br>VDMA24364 zone III  |
| Food-safe  | See Supplementary material information  |
| Ambient temperature                                      | -20 ... 120 °C  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 2,827 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 2,827 ... 3,016 N   |
| Mounting type  | with through hole<br>with internal (female) thread<br>Optional  |
| Pneumatic connection                                     | G1/8  |
| Material cover   | Wrought Aluminium alloy<br>Anodised   |
| Material piston rod                                      | High alloy steel, non-corrosive   |
| Material cylinder barrel                                 | Wrought Aluminium alloy<br>Anodised   |