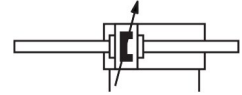


# ISO cylinder CRDNG-40- -PPV-A-S2

Part number: 185283

FESTO



 [General operating condition](#)

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature  | Value  |
|--|--|
| Stroke   | 10 mm ... 2000 mm  |
| Piston diameter  | 40 mm  |
| Piston rod thread  | M12x1.25   |
| Cushioning   | Pneumatic cushioning, adjustable at both ends  |
| Mounting position  | Any  |
| Conforms to standard   | ISO 15552  |
| Piston-rod end   | Male thread  |
| Design   | Piston<br>Piston rod<br>Tie rod 1<br>Cylinder barrel                                       |
| Position detection   | Via proximity switch   |
| Symbol   | 00991237   |
| Variants   | Through piston rod   |
| Operating pressure   | 0.06 MPa ... 1 MPa   |
| Operating pressure   | 0.6 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                               | 4 - Very high corrosion stress   |
| LABS (PWIS) conformity                                       | VDMA24364-B2-L   |
| Suitable for use with food                                   | See supplementary material information   |
| Ambient temperature  | -20 °C ... 80 °C   |
| Cushioning length  | 21 mm  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 633 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 633 N  |
| Moving mass for 0 mm stroke                                  | 363 g  |
| Additional moving mass per 10 mm stroke                      | 32 g   |
| Basic weight for 0 mm stroke                                 | 1519 g   |
| Additional weight per 10 mm stroke                           | 49 g   |
| Type of mounting   | With female thread<br>With accessories   |
| Pneumatic connection   | G1/4   |
| Material cover   | Cast stainless steel   |
| Material seals   | TPE-U(PU)  |

| <b>Feature</b>           | <b>Value</b>               |
|--------------------------|----------------------------|
| Material housing         | High-alloy stainless steel |
| Material piston          | Wrought aluminium alloy    |
| Material piston rod      | High-alloy stainless steel |
| Material cylinder barrel | High-alloy stainless steel |
| Material nut             | High-alloy stainless steel |
| Material bearing         | POM                        |
| Material collar nut      | High-alloy stainless steel |
| Material tie rod         | High-alloy stainless steel |