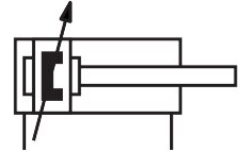


# ISO cylinder CRDNGS-40- -PPV-A-S6

Part number: 185301

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                                                              |
| Based on norm                            | ISO 15552                                                             |
| Cushioning                               | Pneumatic cushioning, adjustable at both ends                         |
| Mounting position                        | Any                                                                   |
| Piston rod end                           | External thread                                                       |
| Structural design                        | Piston<br>Piston rod<br>Pivoting clevis<br>Tie rod<br>Cylinder barrel |
| Position sensing                         | For proximity sensor                                                  |
| Symbol                                   | 00991235                                                              |
| Variants                                 | Heat-resistant seals max. 120°C                                       |
| Operating pressure                       | 0.06 MPa ... 1 MPa                                                    |
| Operating pressure                       | 0.6 bar ... 10 bar                                                    |
| Mode of operation                        | Double-acting                                                         |
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:4:4]                         |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use)    |
| Corrosion resistance class (CRC)         | 4 - Particularly high corrosion stress                                |
| LABS (PWIS) conformity                   | VDMA24364-B2-L                                                        |
| For use in the food industry             | See supplementary material information                                |
| Ambient temperature                      | 0 °C ... 120 °C                                                       |
| Cushioning length                        | 21 mm                                                                 |
| Theoretical force at 6 bar, retracting   | 633 N                                                                 |
| Theoretical force at 6 bar, advancing    | 754 N                                                                 |
| Moving mass at 0 mm stroke               | 268 g                                                                 |
| Additional moving mass per 10 mm stroke  | 16 g                                                                  |
| Basic weight with 0 mm stroke            | 1515 g                                                                |
| Additional weight per 10 mm stroke       | 33 g                                                                  |
| Type of mounting                         | With internal thread<br>With accessories                              |
| Pneumatic connection                     | G1/4                                                                  |
| Cover material                           | Cast stainless steel                                                  |

| Feature                     | Value                      |
|-----------------------------|----------------------------|
| Seals material              | FPM                        |
| Housing material            | High-alloy stainless steel |
| Material of piston          | Wrought aluminum alloy     |
| Piston rod material         | High-alloy stainless steel |
| Material of cylinder barrel | High-alloy stainless steel |
| Nut material                | High-alloy stainless steel |
| Material of bearing         | Metal polymer compound     |
| Collar nut material         | High-alloy stainless steel |
| Tie rod material            | High-alloy stainless steel |