

ISO cylinder DNC-125-500-PPV-A

Part number: 163508

FESTO



[PDF](#) General operating condition

Data sheet

| Feature | Value |
|--|--|
| Stroke | 500 mm |
| Piston diameter | 125 mm |
| Piston rod thread | M27x2 |
| Cushioning | Pneumatic cushioning, adjustable at both ends |
| Mounting position | Any |
| Conforms to standard | ISO 15552 |
| Piston-rod end | Male thread |
| Design | Piston Piston rod Profile barrel |
| Position detection | Via proximity switch |
| Symbol | 00991235 |
| Variants | Piston rod at one end |
| 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 | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -20 °C ... 80 °C |
| Impact energy in end positions | 5 J |
| Cushioning length | 42 mm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 6881 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 7363 N |
| Moving mass for 0 mm stroke | 2809 g |
| Additional moving mass per 10 mm stroke | 63 g |
| Basic weight for 0 mm stroke | 6771 g |
| Additional weight per 10 mm stroke | 168 g |
| Type of mounting | With female thread With accessories |
| Pneumatic connection | G1/2 |
| Note on materials | RoHS compliant |
| Material cover | Die-cast aluminium coated |

| Feature | Value |
|--------------------------|--|
| Material seals | TPE-U(PU) |
| Material piston rod | High-alloy steel |
| Material cylinder barrel | Wrought aluminium alloy Smooth-anodised |