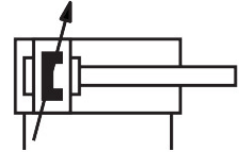


ISO cylinder DSBG-250- -PPVA-N3

Part number: 2865078

FESTO



[PDF](#) General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|--|--|
| Stroke | 1 mm ... 2250 mm |
| Piston diameter | 250 mm |
| Piston rod thread | M42x2 |
| Cushioning | Pneumatic cushioning, adjustable at both ends |
| Mounting position | optional |
| Piston-rod end | Male thread |
| Design | Piston Piston rod Tie rod Cylinder 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 |
| Cushioning length | 55 mm |
| Cushioning length, advance stroke | 55 mm |
| Cushioning length, return stroke | 55 mm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 28274 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 29452 N |
| Moving mass for 0 mm stroke | 9978 g |
| Additional moving mass per 10 mm stroke | 157 g |
| Basic weight for 0 mm stroke | 29313 g |
| Additional weight per 10 mm stroke | 384 g |
| Type of mounting | Either: Via female thread With accessories |
| Pneumatic connection | G1 |
| Note on materials | RoHS-compliant |

| Feature | Value |
|---------------------------|---|
| Material cover | Cast aluminium, coated |
| Material piston seal | NBR |
| Material piston | Cast aluminium |
| Material piston rod | High-alloy steel |
| Material piston rod wiper | NBR |
| Buffer seal material | TPE-U(PU) |
| Cushioning boss material | POM |
| Material cylinder barrel | Smooth-anodised wrought aluminium alloy |
| Material nut | Galvanised steel |
| Material bearing | Metal polymer compound |
| Material collar nut | Galvanised steel |
| Material tie rod | High-alloy steel |