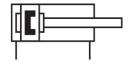
Round cylinder DSNU-S-8-100-P-A-MQ Part number: 5205907

FESTO





Data sheet

| Feature | Value |
|--|--|
| Stroke | 100 mm |
| Piston diameter | 8 mm |
| Piston rod thread | M4 |
| Cushioning | Elastic cushioning rings/plates at both ends |
| Mounting position | optional |
| Design | Piston Piston rod Cylinder barrel |
| Position detection | Via proximity switch |
| Operating pressure | 0.15 MPa1 MPa 1.5 bar10 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-B2-L |
| Cleanroom class | Class 6 according to ISO 14644-1 |
| Ambient temperature | -20 °C80 °C |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 22.6 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 30.2 N |
| Moving mass for 0 mm stroke | 6.3 g |
| Additional moving mass per 10 mm stroke | 1 g |
| Basic weight for 0 mm stroke | 20 g |
| Additional weight per 10 mm stroke | 2.4 g |
| Type of mounting | With accessories |
| Pneumatic connection | M5 |
| Note on materials | RoHS-compliant |
| Material cover | Anodised wrought aluminium alloy |
| Material seals | TPE-U(PU) |
| Material piston rod | High-alloy stainless steel |
| Material cylinder barrel | High-alloy stainless steel |