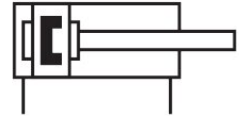


ISO cylinder DSNU-12-80-P-A

Part number: 19193

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|--|--|
| Stroke | 80 mm |
| Piston diameter | 12 mm |
| Piston rod thread | M6 |
| Cushioning | Elastic cushioning rings/plates at both ends |
| Mounting position | optional |
| Conforms to standard | ISO 6432 |
| Piston-rod end | Male thread |
| Design | Piston Piston rod Cylinder barrel |
| Position detection | Via proximity switch |
| Symbol | 00991217 |
| Variants | Piston rod at one end |
| Operating pressure | 0.15 MPa ... 1 MPa |
| Operating pressure | 1.5 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 |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 6 according to ISO 14644-1 |
| Ambient temperature | -20 °C ... 80 °C |
| Impact energy in end positions | 0.07 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 50.9 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 67.9 N |
| Moving mass for 0 mm stroke | 18.5 g |
| Additional moving mass per 10 mm stroke | 2 g |
| Basic weight for 0 mm stroke | 75 g |
| Additional weight per 10 mm stroke | 4 g |
| Type of mounting | With accessories |
| Pneumatic connection | M5 |
| Note on materials | RoHS-compliant |
| Material cover | Wrought aluminium alloy Colourless anodised |
| Material seals | NBR TPE-U(PU) |

| Feature | Value |
|--------------------------|----------------------------|
| Material piston rod | High-alloy stainless steel |
| Material cylinder barrel | High-alloy stainless steel |