

ISO cylinder DSNU-12-80-P-A

Part number: 19193

FESTO



Data sheet

| Feature | Value |
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| Maritime classification | See certificate |
| Stroke | 80 mm |
| Piston diameter | 12 mm |
| Piston rod thread | M6 |
| Type code | DSNU |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Conforms to standard | ISO 6432 CETOP RP 52 P |
| Piston rod end | External thread |
| Design | Piston rod Piston Cylinder barrel |
| Position sensing | For proximity sensor |
| Symbol | 00991217 |
| Variants | Piston rod at one end |
| Operating pressure | 1.5 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) | 2 - Moderate corrosion stress |
| Ambient temperature | -20 °C ... 80 °C |
| Impact energy in the end positions | 0.07 J |
| Theoretical force at 6 bar, retracting | 50.9 N |
| Theoretical force at 6 bar, advancing | 67.9 N |
| Moving mass at 0 mm stroke | 18.5 g |
| Additional weight per 10 mm stroke | 4 g |
| Basic weight with 0 mm stroke | 75 g |
| Additional moving mass per 10 mm stroke | 2 g |
| Type of mounting | With accessories |
| Pneumatic connection | M5 |
| Note on materials | RoHS-compliant |
| Cover material | Wrought aluminum alloy Plain anodized |
| Seals material | NBR TPE-U(PU) |
| Piston rod material | High-alloy stainless steel |

| Feature | Value |
|-----------------------------|----------------------------|
| Material of cylinder barrel | High-alloy stainless steel |