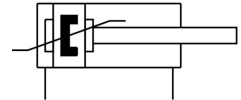


ISO cylinder DSNU-16-100-PPS-A

Part number: 559267

FESTO



Data sheet

| Feature | Value |
|------------------------------------------|--------------------------------------------------------------------|
| Maritime classification | See certificate |
| Stroke | 100 mm |
| Piston diameter | 16 mm |
| Piston rod thread | M6 |
| Type code | DSNU |
| Cushioning | Self-adjusting pneumatic end-position cushioning |
| Mounting position | Any |
| Conforms to standard | ISO 6432 CETOP RP 52 P |
| Piston rod end | External thread |
| Design | Cylinder barrel Piston rod Piston |
| Position sensing | For proximity sensor |
| Symbol | 00992970 |
| Variants | Piston rod at one end |
| Operating pressure | 1 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 | 0.15 J |
| Cushioning length | 12 mm |
| Theoretical force at 6 bar, retracting | 103.7 N |
| Theoretical force at 6 bar, advancing | 120.6 N |
| Moving mass at 0 mm stroke | 23 g |
| Additional weight per 10 mm stroke | 4.6 g |
| Basic weight with 0 mm stroke | 89.9 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 | TPE-U(PU) NBR |

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