

ISO cylinder DSN-12-80-P

Part number: 5051
Product to be discontinued

FESTO

Based on DIN ISO 6432, with elastic cushioning rings in the end positions. Various mounting options, with or without additional mounting components.

Type to be discontinued. Available until 2018. See Support Portal for alternative products.



Data sheet

| Feature | Value |
|--|---|
| Stroke | 80 mm |
| Piston diameter | 12 mm |
| Piston rod thread | M6 |
| Cushioning | P: Flexible cushioning rings/plates at both ends |
| Assembly position | Any |
| Conforms to standard | CETOP RP 52 P ISO 6432 |
| Piston-rod end | Male thread |
| Design structure | Piston Piston rod Cylinder barrel |
| Position detection | No |
| Variants | Single-ended piston rod |
| Operating pressure | 1.5 ... 10 bar |
| Mode of operation | double-acting |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |
| Ambient temperature | -20 ... 80 °C |
| Impact energy in end positions | 0.07 J |
| Theoretical force at 6 bar, return stroke | 50.9 N |
| Theoretical force at 6 bar, advance stroke | 67.9 N |
| Moving mass with 0 mm stroke | 18.5 g |
| Additional weight per 10 mm stroke | 4 g |
| Basic weight for 0 mm stroke | 75 g |
| Additional mass factor per 10 mm of stroke | 2 g |
| Mounting type | with accessories |
| Pneumatic connection | M5 |
| Materials note | Conforms to RoHS |
| Materials information for cover | Wrought Aluminium alloy neutral anodisation |
| Materials information for seals | NBR TPE-U(PU) |
| Materials information for piston rod | High alloy steel, non-corrosive |
| Materials information for cylinder barrel | High alloy steel, non-corrosive |