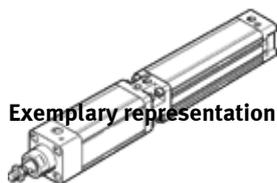


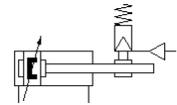
cylinder with clamping unit DNCKE-40- -PPV-A-S

Part number: 538239

FESTO



Exemplary representation



Data sheet

| Feature | Value |
|--|---|
| Stroke | 10 ... 2,000 mm |
| Piston diameter | 40 mm |
| Piston rod thread | M12x1,25 |
| Based on the standard | ISO 15552 (previously also VDMA 24652, ISO 6431, NF E49 003.1, UNI 10290) |
| Cushioning | PPV: Pneumatic cushioning adjustable at both ends |
| Assembly position | Any |
| Type of clamping with direction of action | at both ends Clamping with spring, release with compressed air |
| Piston-rod end | Male thread |
| Design structure | Piston Piston rod Profile barrel |
| Position detection | For proximity sensor |
| Variants | Single-ended piston rod |
| Safety function | Stopping a linear movement |
| Performance level (PL) | Kat. 1, PLc |
| Operating pressure | 0.6 ... 8 bar |
| Max. permissible test pressure | 10 bar |
| Minimum release pressure | 3.8 bar |
| Mode of operation | double-acting |
| Authorisation | IFA |
| CE mark (see declaration of conformity) | to EU directive for machinery |
| Certificate issuing department | IFA 0404018 |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Corrosion resistance classification CRC | 0 - No corrosion stress |
| Ambient temperature | -10 ... 60 °C |
| Cushioning length | 20 mm |
| Static holding force | 1,300 N |
| Theoretical force at 6 bar, return stroke | 633 N |
| Theoretical force at 6 bar, advance stroke | 754 N |
| Moving mass with 0 mm stroke | 500 g |
| Additional weight per 10 mm stroke | 45 g |
| Basic weight for 0 mm stroke | 2,340 g |
| Additional mass factor per 10 mm of stroke | 16 g |
| Mounting type | with internal (female) thread with accessories |
| Release connection, clamping unit | G1/8 |
| Pneumatic connection | G1/4 |
| Materials note | Conforms to RoHS |
| Material cover | Aluminium die cast Wrought Aluminium alloy |
| Material seals | NBR TPE-U(PU) |
| Material housing | Wrought Aluminium alloy |
| Material piston rod | Heat-treatment steel |
| Material cylinder barrel | Smooth-anodised wrought aluminium alloy |