

ISO cylinder DNC-32- -

Part number: 163302

FESTO



 [General operating condition](#)

Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|--|---|
| Stroke | 2 mm ... 2000 mm |
| Piston diameter | 32 mm |
| Based on norm | ISO 15552 |
| Cushioning | Elastic cushioning rings/pads at both ends Pneumatic cushioning, adjustable at both ends |
| Mounting position | Any |
| Structural design | Piston Piston rod Profile barrel |
| Position sensing | For proximity sensor None |
| Variants | With end-position locking at both ends With rear end-position locking With front end-position locking Improved running performance Extended external thread piston rod Internal thread on piston rod Special thread on piston rod Piston rod with external hexagon Extended piston rod Clamping unit on the piston rod With anti-twist protection High corrosion protection Dust protection Uniform, slow movement Low friction Through piston rod Through, hollow piston rod Heat-resistant seals max. 120°C Temperature range -40 to 80°C Monostable valve, mounted on right, unactuated piston rod, retracted Monostable valve, mounted on right, unactuated piston rod, advanced Bistable valve, mounted on right, unactuated piston rod, retracted Monostable valve, mounted on left, unactuated piston rod, retracted Monostable valve, mounted on left, unactuated piston rod, advanced Bistable valve, mounted on left, unactuated piston rod, retracted Piston rod at one end |
| Protection against torsion/guide | Square piston rod |
| Operating pressure | 0.02 MPa ... 1.2 MPa |
| Operating pressure | 0.2 bar ... 12 bar |
| Mode of operation | Double-acting |
| CE marking (see declaration of conformity) | as per EU explosion protection directive (ATEX) |
| UKCA marking (see declaration of conformity) | acc. to UK EX instructions |

| Feature | Value |
|---|---|
| Explosion prevention and protection | Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX) |
| ATEX category gas | II 2G |
| ATEX category for dust | II 2D |
| Type of ignition protection for gas | Ex h IIC T4 Gb |
| Type of (ignition) protection for dust | Ex h IIIC T120°C Db |
| Explosive ambient temperature | -20°C ≤ Ta ≤ +60°C |
| Explosion protection certification outside the EU | EPL Db (GB) EPL Gb (GB) |
| 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 3 - High corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L VDMA24364 zone III |
| Ambient temperature | -40 °C ... 120 °C |
| Impact energy in the end positions | 0.1 J |
| Max. torque for protection against rotation | 0.8 Nm |
| Theoretical force at 6 bar, retracting | 415 N |
| Theoretical force at 6 bar, advancing | 415 N ... 483 N |
| Type of mounting | With internal thread With accessories |
| Pneumatic connection | G1/8 |
| Note on materials | RoHS-compliant |
| Cover material | Die-cast aluminum Coated |
| Material of cylinder barrel | Wrought aluminum alloy Smooth anodized |