

ISO cylinder DNC-80- -

Part number: 163430

FESTO



Data sheet

| Feature | Value |
|---------------------------------|---|
| Stroke | 3 mm...2000 mm |
| Piston diameter | 80 mm |
| Based on standard | ISO 15552 |
| Cushioning | Elastic cushioning rings/plates at both ends Pneumatic cushioning, adjustable at both ends |
| Mounting position | optional |
| Design | Piston Piston rod Profile barrel |
| Position detection | Via proximity switch Without |
| Variants | With end-position locking on both sides With end-position locking at rear With end-position locking at front Improved running performance Extended male piston rod thread Piston rod with female thread Custom thread on the piston rod Piston rod with external hexagon Extended piston rod Clamping unit on the piston rod With protection against rotation 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 torque/guide | Square piston rod |
| Operating pressure | 1.2 MPa 12 bar |

| Feature | Value |
|--|---|
| Mode of operation | Double-acting |
| CE mark (see declaration of conformity) | To EU Explosion Protection Directive (ATEX) |
| UKCA marking (see declaration of conformity) | To UK EX instructions |
| Explosion 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 dust | II 2D |
| Explosion ignition protection type for gas | Ex h IIC T4 Gb |
| Explosion ignition protection type for dust | Ex h IIIC T120°C Db |
| Explosion ambient temperature | -20°C ≤ Ta ≤ +60°C |
| Explosion protection certification outside the EU | EPL Db (GB) EPL Gb (GB) |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| 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 end positions | 0.9 J |
| Max. torque for protection against torsion | 3 Nm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 2721 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 2721 N...3016 N |
| Type of mounting | Via female thread With accessories |
| Pneumatic connection | G3/8 |
| Note on materials | RoHS-compliant |
| Material cover | Die-cast aluminium Coated |
| Material cylinder barrel | Wrought aluminium alloy Smooth anodised |