

Round cylinder CRDSNU-63-

Part number: 552794

FESTO



Data sheet

| Feature | Value |
|---|--|
| Stroke | 1 mm...500 mm |
| Piston diameter | 63 mm |
| Piston rod thread | M16x1.5 M10 |
| Cushioning | Elastic cushioning rings/pads at both ends Self-adjusting pneumatic end-position cushioning Pneumatic cushioning, adjustable at both ends |
| Mounting position | Any |
| Piston rod end | External thread Internal thread |
| Structural design | Piston Piston rod Cylinder barrel |
| Position sensing | For proximity sensor |
| Variants | Hard scraper For unlubricated operation EX protection approval (ATEX) Increased chemical resistance Extended external thread piston rod Internal thread on piston rod Special thread on piston rod Extended piston rod Bearing cover without mounting thread Lateral supply port Through piston rod Heat-resistant seals max. 120°C Temperature range -40 to 80°C Piston rod at one end |
| Operating pressure | 0.1 MPa...1 MPa 1 bar...10 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 |
| Explosion protection certification outside the EU | EPL Db (GB) EPL Gb (GB) |

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|--|---|
| 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 |
| 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) | 3 - High corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L VDMA24364 zone III |
| For use in the food industry | See declaration of conformity |
| Ambient temperature | -40 °C...120 °C |
| Theoretical force at 6 bar, retracting | 1682 N |
| Theoretical force at 6 bar, advancing | 1870 N |
| Moving mass at 0 mm stroke | 472 g |
| Additional moving mass per 10 mm stroke | 25 g |
| Basic weight with 0 mm stroke | 2943 g |
| Additional weight per 10 mm stroke | 44 g |
| Type of mounting | With accessories |
| Pneumatic connection | G3/8 |
| Note on materials | RoHS-compliant |
| Cover material | High-alloy stainless steel |
| Piston rod material | High-alloy stainless steel |
| Material of cylinder barrel | High-alloy stainless steel |