

ISO cylinder CRDSNU-16-

Part number: 552788

FESTO



Data sheet

| Feature | Value |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Stroke | 1 mm...200 mm |
| Piston diameter | 16 mm |
| Piston rod thread | M6 |
| Based on standard | ISO 6432 |
| Cushioning | Elastic cushioning rings/plates at both ends Self-adjusting pneumatic end-position cushioning |
| Mounting position | optional |
| Piston-rod end | Male thread |
| Design | Piston Piston rod Cylinder barrel |
| Position detection | Via proximity switch |
| Variants | Hard scraper For unlubricated operation Increased chemical resistance Extended male piston rod thread Extended piston rod Bearing cap 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 mark (see declaration of conformity) | To EU Explosion Protection Directive (ATEX) |
| UKCA marking (see declaration of conformity) | To UK EX instructions |
| Explosion protection certification outside the EU | EPL Db (GB) EPL Gb (GB) |
| 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 |

| Feature | Value |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| 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 |
| 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 | 3 - high corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L VDMA24364 zone III |
| Cleanroom class | Class 6 according to ISO 14644-1 |
| Suitable for use with food | See declaration of conformity |
| Ambient temperature | -40 °C...120 °C |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 104 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 121 N |
| Moving mass for 0 mm stroke | 21 g |
| Additional moving mass per 10 mm stroke | 2 g |
| Basic weight for 0 mm stroke | 130 g |
| Additional weight per 10 mm stroke | 5 g |
| Type of mounting | With accessories |
| Pneumatic connection | M5 |
| Note on materials | RoHS-compliant |
| Material cover | High-alloy stainless steel |
| Material piston rod | High-alloy stainless steel |
| Material cylinder barrel | High-alloy stainless steel |