

ISO cylinder DSNU-16- -

Part number: 193989



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|---|--|
| Stroke | 1 mm ... 200 mm |
| Piston diameter | 16 mm |
| Cushioning | Elastic cushioning rings/plates at both ends Self-adjusting pneumatic end-position cushioning Pneumatic cushioning, adjustable at both ends |
| Mounting position | Any |
| Conforms to standard | ISO 6432 |
| Design | Piston Piston rod Cylinder barrel |
| Position detection | Via proximity switch |
| Variants | Weld spatter protection Custom thread on the piston rod Piston rod with external hexagon Additional slide, standard, on left Low friction for balancer applications Bearing cap without mounting thread Swivelling rod eye mounting on the end cap Module for reaching a specific end position in case of a pressure failure Transverse force increased Reinforced piston rod Uniform, slow movement Low friction Through, hollow piston rod Additional PTFE piston guide |
| Protection against torque/guide | Square piston rod |
| Operating pressure | 0.1 MPa ... 1 MPa |
| Operating pressure | 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 |
| ATEX category dust | II 2D |

| Feature | Value |
|--|--|
| 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 | 2 - Moderate corrosion stress 3 - high corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L VDMA24364 zone III |
| Ambient temperature | -20 °C ... 120 °C |
| Impact energy in end positions | 0.075 J ... 0.15 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 104 N ... 121 N |
| Type of mounting | With accessories |
| Pneumatic connection | M5 |
| Note on materials | RoHS compliant |
| Material cover | Wrought aluminium alloy |
| Material seals | NBR TPE-U(PU) |
| Material piston rod | High-alloy stainless steel |
| Material cylinder barrel | High-alloy stainless steel |