



## ISO cylinder □ DSNU-20-120-PPV-A-Q

URL: <https://www.sxplc.com/iso-cylinder-dsnu-20-120-ppv-a-q>

### Product data sheet

- **Stroke** 1 mm ... 320 mm
- **Piston diameter** 20 mm
- **Cushioning** Elastic cushioning rings/pads at both ends Self-adjusting pneumatic end-position cushioning Pneumatic cushioning, adjustable at both ends
- **Mounting position** Any
- **Conforms to standard** CETOP RP 52 P ISO 6432
- **Structural design** Piston Piston rod Cylinder barrel
- **Position sensing** For proximity sensor
- **Variants** Increased chemical resistance Extended external thread piston rod Internal thread on piston rod Piston rod with external thread shortened at one end Extended piston rod Clamping unit on the piston rod Axial supply port With direct mounting Lateral supply port With anti-twist protection High corrosion protection Uniform, slow movement Low friction Through piston rod Heat-resistant seals max. 120°C Piston rod

at one end

- **Protection against torsion/guide** Square piston rod
- **Operating pressure** 0.1 MPa ... 1 MPa
- **Operating pressure** 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)
- **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**  $-20^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$
- **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)** 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 the end positions**0.2 J
- **Theoretical force at 6 bar, advancing**158 N ... 189 N
- **Type of mounting**With accessories
- **Pneumatic connection**G1/8
- **Note on materials**RoHS-compliant
- **Cover material**Wrought aluminum alloy
- **Seals material**NBR TPE-U(PU)
- **Piston rod material**High-alloy stainless steel
- **Material of cylinder barrel**High-alloy stainless steel

