Round cylinder
DSNU-40- -

Part number: 193993



General operating condition
Round cylinder
Product details
Category page

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 mm ... 500 mm
Piston diameter	40 mm
Cushioning	Elastic cushioning rings/plates at both ends Self-adjusting pneumatic end-position cushioning Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Design	Piston Piston rod Cylinder barrel
Position detection	Via proximity switch
Variants	Piston rod with male thread shortened at one end Extended piston rod Clamping unit on the piston rod Axial supply port With direct mounting Lateral supply port With protection against rotation Dust protection Through piston rod Heat-resistant seals max. 120°C Piston rod at one end
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 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
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]

Feature	Value
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	0.35 J ... 0.7 J
Cushioning length	18 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	633 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	753 N
Moving mass for 0 mm stroke	230 g
Additional moving mass per 10 mm stroke	16 g
Basic weight for 0 mm stroke	661 g
Additional weight per 10 mm stroke	24 g
Type of mounting	With accessories
Pneumatic connection	G1/4
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