ISO cylinder
DNC-40- -

Part number: 163334



Data sheet

Feature	Value
Stroke	2 mm...2000 mm
Piston diameter	40 mm
Based on standard	ISO 15552
Cushioning	Elastic cushioning rings/plates at both ends Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Design	Piston Piston rod Profile barrel
Position detection	Via proximity switch None
Variants	With end-position locking on both sides With end-position locking at rear With end-position locking at front Improved running performance Extended male piston rod thread Piston rod with female thread Custom thread on the piston rod Piston rod with external hexagon Extended piston rod Clamping unit on the piston rod With protection against rotation High corrosion protection Dust protection Uniform, slow movement Low friction Through piston rod Through, hollow piston rod Heat-resistant seals max. 120°C Temperature range -40 to 80°C Monostable valve, mounted on right, unactuated piston rod, retracted Monostable valve, mounted on right, unactuated piston rod, advanced Bistable valve, mounted on right, unactuated piston rod, retracted Monostable valve, mounted on left, unactuated piston rod, retracted Monostable valve, mounted on left, unactuated piston rod, advanced Bistable valve, mounted on left, unactuated piston rod, retracted Piston rod at one end
Protection against torque/guide	Square piston rod
Operating pressure	0.02 MPa...1.2 MPa 0.2 bar...12 bar

Feature	Value
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	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
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
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	-40 °C...120 °C
Impact energy in end positions	0.2 J
Max. torque for protection against torsion	1.1 Nm
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	633 N...754 N
Type of mounting	With female thread With accessories
Pneumatic connection	G1/4
Note on materials	RoHS compliant
Material cover	Die-cast aluminium coated
Material cylinder barrel	Wrought aluminium alloy Smooth-anodised