

ISO cylinder DNC-40- -

Part number: 163334

FESTO



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Maritime classification	See certificate
Stroke	2 mm ... 2000 mm
Piston diameter	40 mm
Type code	DNC
Based on norm	ISO 15552
Cushioning	Elastic cushioning rings/pads at both ends Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Design	Piston Piston rod Profile barrel
Position sensing	For proximity sensor None
Variants	With end-position locking at both ends With rear end-position locking With front end-position locking Increased service life Extended external thread piston rod Internal thread on piston rod Special thread on piston rod Piston rod with external hexagon Extended piston rod Clamping unit on the piston rod With anti-twist protection High corrosion protection Dust protection Constant, slow movement Low friction Through piston rod Continuous, hollow piston rod Heat-resistant seals max. 120°C Temperature range -40 to 80 °C Monostable pneumatic valve, mounted on right, piston rod retracted when not actuated Monostable pneumatic valve, fitted on right, piston rod extended when not actuated Bistable pneumatic valve, fitted on right, piston rod retracted when not actuated Monostable pneumatic valve, mounted on left, piston rod retracted when not actuated Monostable pneumatic valve, fitted on left, piston rod extended when not actuated Bistable pneumatic valve, fitted on left, piston rod retracted when not actuated Piston rod at one end

Feature	Value
Protection against torsion/guide	Square piston rod
Operating pressure	0.2 bar ... 12 bar
Mode of operation	Double-acting
ATEX category gas	II 2G
Type of ignition protection for gas	Ex h IIC T4 Gb
ATEX category for dust	II 2D
Type of (ignition) protection for dust	Ex h IIIC T120°C Db
Explosive ambient temperature	-20°C ≤ Ta ≤ +60°C
Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
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)
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress 3 - High corrosion stress
Ambient temperature	-40 °C ... 120 °C
Impact energy in the end positions	0.2 J
Max. torque for protection against rotation	1.1 Nm
Theoretical force at 6 bar, retracting	633 N
Theoretical force at 6 bar, advancing	633 N ... 754 N
Type of mounting	With internal thread With accessories
Pneumatic connection	G1/4
Note on materials	RoHS-compliant
Cover material	Die-cast aluminum Coated
Material of cylinder barrel	Wrought aluminum alloy Smooth anodized