## **ISO cylinder DNC-80- -**Part number: 163430



## **Data sheet**

Feature	Value
Stroke	3 mm2000 mm
Piston diameter	80 mm
Based on norm	ISO 15552
Cushioning	Elastic cushioning rings/pads at both ends Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Structural design	Piston Piston rod Profile barrel
Position sensing	For proximity sensor None
Variants	With end-position locking at both endsWith rear end-position lockingWith front end-position lockingImproved running performanceExtended external thread piston rodInternal thread on piston rodSpecial thread on piston rodPiston rod with external hexagonExtended piston rodClamping unit on the piston rodWith anti-twist protectionHigh corrosion protectionDust protectionUniform, slow movementLow frictionThrough piston rodHeat-resistant seals max. 120°CTemperature range -40 to 80°CMonostable valve, mounted on right, unactuated piston rod, retractedMonostable valve, mounted on right, unactuated piston rod, retractedMonostable valve, mounted on left,
Protection against torsion/guide	Square piston rod
Operating pressure	1.2 MPa 12 bar

## **FESTO**

Feature	Value
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 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	ll 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°C <= Ta <= +60°C
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
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	-40 °C120 °C
Impact energy in the end positions	0.9 J
Max. torque for protection against rotation	3 Nm
Theoretical force at 6 bar, retracting	2721 N
Theoretical force at 6 bar, advancing	2721 N3016 N
Type of mounting	With internal thread With accessories
Pneumatic connection	G3/8
Note on materials	RoHS-compliant
Cover material	Die-cast aluminum Coated
Material of cylinder barrel	Wrought aluminum alloy Smooth anodized