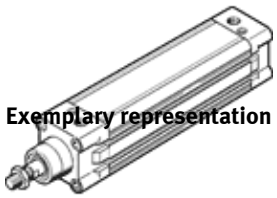
standards-based cylinder
DNC-63- -

Part number: 163398
Classic - do not use for new projects

In accordance with ISO 15552.
Modern alternatives can be found by entering the first four characters of the type code in the search field.



Exemplary representation

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	3 ... 2,000 mm
Piston diameter	63 mm
Based on the standard	ISO 15552
Cushioning	P: Flexible cushioning rings/plates at both ends PPV: Pneumatic cushioning adjustable at both ends
Assembly position	Any
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor No
Variants	End position locking Both end positions With end position locking at rear With end position locking at front improved running performance Extended male piston rod thread Female thread on piston rod Piston rod with special thread piston rod with external hexagon Extended piston rod clamping unit on piston rod With protection against rotation Excellent corrosion protection Dust protection Constant slow movement Low-friction Through piston rod Through, hollow piston rod Heat resistant seals, max. 120°C Temperature range -40 - 80 °C Single solenoid valve, fitted on right, unactuated with piston rod retracted Single solenoid valve, fitted on right, unactuated with piston rod extended Double solenoid valve, fitted on right, unactuated with piston rod retracted Single solenoid valve, fitted on left, unactuated with piston rod retracted Single solenoid valve, fitted on left, unactuated with piston rod extended Double solenoid valve, fitted on left, unactuated with piston rod retracted Single-ended piston rod
Protection against torque/guide	Square piston rod
Operating pressure MPa	0.015 ... 1.2 MPa
Operating pressure	0.15 ... 12 bar

Feature	Value
Mode of operation	double-acting
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
ATEX category Gas	II 2G
ATEX category Dust	II 2D
Explosion ignition protection type Gas	Ex h IIC T4 Gb
Explosion ignition protection type Dust	Ex h IIIC T120°C Db
Explosion-proof ambient temperature	-20°C <= Ta <= +60°C
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress 3 - High corrosion stress
PWIS conformity	VDMA24364-B1/B2-L VDMA24364 zone III
Ambient temperature	-40 ... 120 °C
Impact energy in end positions	0.5 J
Max. torque for protection against rotation	1.5 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	1,682 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	1,682 ... 1,870 N
Mounting type	with internal (female) thread with accessories
Pneumatic connection	G3/8
Materials note	Conforms to RoHS
Material cover	Aluminium die cast coated
Material cylinder barrel	Wrought Aluminium alloy Smooth anodised