Cylinder with holding brake
DFLG-160- -

Part number: 8073334

Data sheet

Feature	Value
Stroke	10 mm...2000 mm
Piston diameter	160 mm
Piston rod thread	M36x2
Based on standard	ISO 15552 (previously also VDMA 24562, ISO 6431, NF E49 003.1, UNI 10290)
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	optional
Type of clamping with direction of action	on both sides Clamping via spring force, released via compressed air
Piston-rod end	Male thread
Design	Piston Piston rod Profile barrel
Position detection	Via proximity switch
Variants	Piston rod at one end
Safety function	Holding and stopping a movement
Performance Level (PL)	Stopping, holding, blocking a movement/category 1, Performance Level c
Operating pressure	0.06 MPa...0.8 MPa 0.6 bar...8 bar 8.7 psi...116 psi
Max. permissible test pressure	8 bar
Min. release pressure	3.8 bar
Mode of operation	Double-acting
Approval	German Technical Control Board (TÜV)
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX) To EC Machinery Directive
UKCA marking (see declaration of conformity)	To UK EX instructions To UK regulations for machines
Explosion protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Certificate issuing authority	German Technical Control Board (TÜV) CA 697
ATEX category gas	II 2G

Feature	Value
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]
Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Ambient temperature	-20 °C...80 °C
Cushioning length	48 mm
Static holding force	17000 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	11310 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	12064 N
Moving mass for 0 mm stroke	7085 g
Additional moving mass per 10 mm stroke	97 g
Basic weight for 0 mm stroke	49660 g
Additional weight per 10 mm stroke	208 g
Type of mounting	Via female thread With accessories
Release connection, clamping unit	G3/8
Pneumatic connection	G3/4
Note on materials	RoHS-compliant
Material cover	Die-cast aluminium Wrought aluminium alloy
Material seals	NBR TPE-U(PU)
Material housing	Steel
Material piston rod	Steel, hard-chrome-plated
Material cylinder barrel	Smooth-anodised wrought aluminium alloy