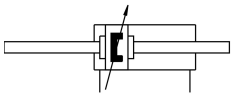
Flat cylinder DZH-25- -PPV-A-S2

Part number: 151153



Data sheet

Feature	Value
Stroke	1 mm...500 mm
Piston diameter	25 mm Equivalent diameter
Torsional backlash at piston rod +/-	2.4 deg
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	optional
Mode of operation	Double-acting
Design	Piston Piston rod
Position detection	Via proximity switch
Variants	Through piston rod
Protection against torque/guide	Oval piston
Operating pressure	0.1 MPa...1 MPa 1 bar...10 bar
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
LABS (PWIS) conformity	VDMA24364-B2-L
Ambient temperature	-20 °C...80 °C
Cushioning length	17 mm
Max. torque for protection against torsion	0.8 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	247 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	247 N
Additional weight per 10 mm stroke	21 g
Basic weight for 0 mm stroke	330 g
Type of mounting	Either: Via female thread With accessories
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Material cover	Aluminium
Material seals	TPE-U(PU)

Feature	Value
Material housing	Aluminium
Material piston rod	High-alloy steel