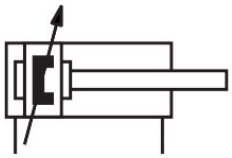
Flat cylinder
DZH-40- -PPV-A

Part number: 14051





Data sheet

Feature	Value
Stroke	1 mm...1000 mm
Piston diameter	40 mm Equivalent diameter
Piston rod thread	M12x1.25
Max. angle of rotation of the piston rod +/-	1.4 deg
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Mode of operation	Double-acting
Structural design	Piston Piston rod
Position sensing	Via proximity switch
Variants	Piston rod at one end
Protection against torsion/guide	Oval piston
Operating pressure	0.06 MPa...1 MPa 0.6 bar...10 bar
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
LABS (PWIS) conformity	VDMA24364-B2-L
Ambient temperature	-20 °C...80 °C
Cushioning length	21 mm
Max. torque for protection against rotation	1.2 Nm
Theoretical force at 6 bar, retracting	633 N
Theoretical force at 6 bar, advancing	754 N
Moving mass at 0 mm stroke	236 g
Additional moving mass per 10 mm stroke	15.8 g
Additional weight per 10 mm stroke	37 g
Basic weight with 0 mm stroke	836 g
Type of mounting	Alternatively: With internal thread With accessories
Pneumatic connection	G1/4
Note on materials	RoHS compliant

Feature	Value
Cover material	Aluminum
Seals material	TPE-U(PU)
Housing material	Aluminum
Piston seal material	TPE-U(PU)
Piston rod material	High-alloy steel