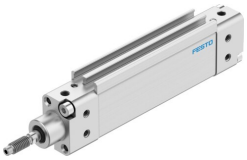
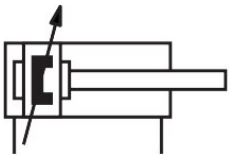
Flat cylinder
DZH-16-125-PPV-A

Part number: 151150





General operating condition

Data sheet

Feature	Value
Stroke	125 mm
Piston diameter	16 mm Equivalent diameter
Piston rod thread	M6
Torsional backlash at piston rod +/-	3.1 deg
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	optional
Mode of operation	Double-acting
Design	Piston Piston rod Profile barrel
Position detection	Via proximity switch
Symbol	00991235
Variants	Piston rod at one end
Protection against torque/guide	Oval piston
Operating pressure	0.1 MPa ... 1 MPa
Operating pressure	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	14 mm
Max. torque for protection against torsion	0.5 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	104 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	121 N
Moving mass	66 g
Product weight	299 g
Additional weight per 10 mm stroke	12 g
Basic weight for 0 mm stroke	148 g
Type of mounting	Via female thread With accessories
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material cover	Aluminium

Feature	Value
Material seals	TPE-U(PU)
Material housing	Aluminium
Material piston seal	TPE-U(PU)
Material piston rod	High-alloy steel