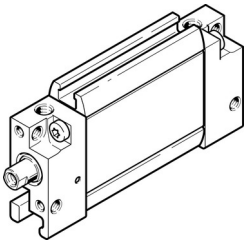
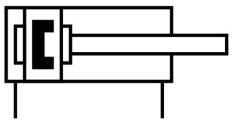
Flat cylinder
DZF-12-25-P-A

Part number: 164004





General operating condition

Data sheet

Feature	Value
Stroke	25 mm
Piston diameter	12 mm Equivalent diameter
Torsional backlash at piston rod +/-	2.5 deg
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Mode of operation	Double-acting
Design	Piston Piston rod
Position detection	Via proximity switch
Symbol	00991217
Protection against torque/guide	Oval piston
Operating pressure	0.16 MPa ... 1 MPa
Operating pressure	1.6 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-B1/B2-L
Ambient temperature	-20 °C ... 80 °C
Max. torque for protection against torsion	0.1 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	51 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	68 N
Moving mass for 0 mm stroke	12 g
Additional moving mass per 10 mm stroke	2 g
Additional weight per 10 mm stroke	9 g
Basic weight for 0 mm stroke	96 g
Type of mounting	Either: Via female thread With accessories
Pneumatic connection	M5
Material cover	Wrought aluminium alloy
Material seals	NBR TPE-U(PU)
Material housing	Aluminium Smooth anodised
Material piston rod	High-alloy stainless steel