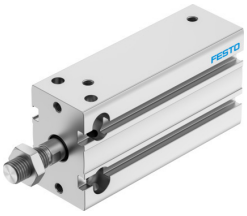
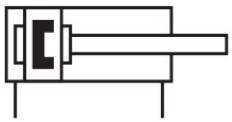
Compact cylinder
DPDM-25-50-PA

Part number: 4829577





General operating condition

Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	25 mm
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Mode of operation	Double-acting
Design	Piston Piston rod Profile barrel
Position detection	Via proximity switch
Symbol	00991217
Variants	Piston rod at one end
Operating pressure	0.1 MPa ... 0.8 MPa
Operating pressure	1 bar ... 8 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
Cleanroom class	Class 6 according to ISO 14644-1
Ambient temperature	-10 °C ... 80 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi)	295 N
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	295 N
Moving mass for 0 mm stroke	58 g
Additional moving mass per 10 mm stroke	6.5 g
Basic weight for 0 mm stroke	205 g
Additional weight per 10 mm stroke	33.5 g
Type of mounting	Either: With through-hole Via female thread
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy
Material seals	TPE-U(PU)
Material housing	Anodised wrought aluminium alloy
Material piston rod	High-alloy stainless steel