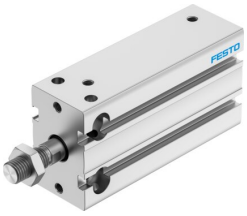
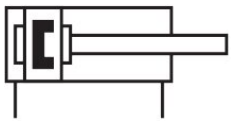
Compact cylinder
DPDM-25-50-PA

Part number: 4829577





Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	25 mm
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Double-acting
Structural design	Piston Piston rod Profile barrel
Position sensing	Via proximity switch
Variants	Piston rod at one end
Operating pressure	0.1 MPa...0.8 MPa 1 bar...8 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
Cleanroom suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
Ambient temperature	-10 °C...80 °C
Theoretical force at 6 bar	295 N
Theoretical force at 6 bar, retracting	247 N
Theoretical force at 6 bar, advancing	295 N
Moving mass at 0 mm stroke	58 g
Additional moving mass per 10 mm stroke	6.5 g
Basic weight with 0 mm stroke	205 g
Additional weight per 10 mm stroke	33.5 g
Type of mounting	Alternatively: With through-hole With internal thread
Pneumatic connection	M5
Note on materials	RoHS compliant
Cover material	Wrought aluminum alloy
Seals material	TPE-U(PU)
Housing material	Wrought aluminum alloy, anodized

Feature	Value
Piston rod material	high-alloy stainless steel