

Compact cylinder DPDM-16-50-PA

Part number: 4833192

FESTO



 General operating condition

Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	16 mm
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
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	0.15 MPa ... 0.8 MPa
Operating pressure	1.5 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 suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
Ambient temperature	-10 °C ... 80 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi)	121 N
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 for 0 mm stroke	18 g
Additional moving mass per 10 mm stroke	2.3 g
Basic weight for 0 mm stroke	66 g
Additional weight per 10 mm stroke	13 g
Type of mounting	With through-hole With 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