

# Compact cylinder DPDM-16-50-PA

Part number: 4833192

FESTO



## Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	16 mm
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Mode of operation	double-acting
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor
Variants	Single-ended piston rod
Operating pressure MPa	0.15 ... 0.8 MPa
Working pressure	1.5 ... 8 bar
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B2-L
Cleanroom class	ISO class 6
Ambient temperature	-10 ... 80 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi)	121 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	104 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	121 N
Moving mass with 0 mm stroke	18 g
Additional mass factor per 10 mm of stroke	2.3 g
Basic weight for 0 mm stroke	66 g
Additional weight per 10 mm stroke	13 g
Mounting type	with through hole with internal (female) thread Optional
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material cover	Wrought Aluminum alloy
Material seals	TPE-U(PU)
Material housing	Anodised wrought aluminium alloy
Material piston rod	High alloy steel, non-corrosive