

# Compact cylinder DPDM-32-50-PA

Part number: 4828442

FESTO



 General operating condition

## Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	32 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	For proximity sensor
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 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	483 N
Theoretical force at 6 bar, retracting	415 N
Theoretical force at 6 bar, advancing	483 N
Moving mass at 0 mm stroke	85 g
Additional moving mass per 10 mm stroke	9 g
Basic weight with 0 mm stroke	307 g
Additional weight per 10 mm stroke	51 g
Type of mounting	With through-hole With internal thread
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy
Seals material	TPE-U(PU)
Housing material	Wrought aluminum alloy, anodized
Piston rod material	High-alloy stainless steel