

Compact cylinder DPDM-10-10-P-PA

Part number: 4832171

FESTO



 General operating condition

Data sheet

Feature	Value
Stroke	10 mm
Piston diameter	10 mm
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Single-acting Pulling
Structural design	Piston Piston rod Profile barrel
Position sensing	For proximity sensor
Symbol	00991850
Variants	Piston rod at one end
Operating pressure	0.2 MPa ... 0.8 MPa
Operating pressure	2 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)	1 - Low 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, retracting	31 N
Theoretical force at 6 bar, advancing	31 N
Moving mass at 0 mm stroke	7 g
Additional moving mass per 10 mm stroke	1 g
Basic weight with 0 mm stroke	30 g
Additional weight per 10 mm stroke	7.5 g
Type of mounting	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
Piston rod material	High-alloy stainless steel