Compact cylinder
DPDM-Q-16-10-P-PA

Part number: 4834381





Data sheet

Feature	Value
Stroke	10 mm
Piston diameter	16 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	Via proximity switch
Variants	Piston rod at one end
Protection against torsion/guide	Guide rod with yoke
Operating pressure	0.2 MPa...0.8 MPa 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)	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, retracting	93 N
Theoretical force at 6 bar, advancing	93 N
Moving mass at 0 mm stroke	27 g
Additional moving mass per 10 mm stroke	2.8 g
Basic weight with 0 mm stroke	75 g
Additional weight per 10 mm stroke	13.5 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)

Feature	Value
Housing material	Wrought aluminum alloy, anodized
Piston rod material	high-alloy stainless steel