

compact cylinder DPDM-Q-32-10-S-PA

Part number: 4828491

FESTO



Data sheet

Feature	Value
Stroke	10 mm
Piston diameter	32 mm
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Mode of operation	single-acting pushing action
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor
Variants	Single-ended piston rod
Protection against torque/guide	Guide rod with yoke
Operating pressure MPa	0.15 ... 0.8 MPa
Operating 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)	445 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	445 N
Moving mass with 0 mm stroke	109 g
Additional mass factor per 10 mm of stroke	10.5 g
Basic weight for 0 mm stroke	334 g
Additional weight per 10 mm stroke	52.5 g
Mounting type	with through hole with internal (female) thread Optional
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Material cover	Wrought Aluminium alloy
Material seals	TPE-U(PU)
Material housing	Anodised wrought aluminium alloy
Material piston rod	High alloy steel, non-corrosive