

Compact cylinder DPDM-...-16- -

Part number: 4186566

FESTO



General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	5 mm ... 50 mm
Piston diameter	16 mm
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Double-acting Pushing Single-acting Pulling
Structural design	Piston Piston rod Profile barrel
Position sensing	For proximity sensor
Variants	Through piston rod Through, hollow piston rod Heat-resistant seals max. 120°C Piston rod at one end
Protection against torsion/guide	Guide rod with yoke
Operating pressure	0.15 MPa ... 0.8 MPa
Operating pressure	1.5 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)	0 - No corrosion stress 1 - Low corrosion stress 2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Cleanroom class	Class 6 according to ISO 14644-1
Ambient temperature	-10 °C ... 120 °C
Theoretical force at 6 bar	104 N ... 121 N
Theoretical force at 6 bar, retracting	104 N
Theoretical force at 6 bar, advancing	104 N ... 121 N
Type of mounting	Optionally: With through-hole With internal thread
Pneumatic connection	M5
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy
Housing material	Wrought aluminum alloy, anodized

Feature	Value
Piston rod material	High-alloy stainless steel