

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/plates at both ends
Mounting position	optional
Mode of operation	Double-acting Pushing Single-acting Pulling
Design	Piston Piston rod Profile barrel
Position detection	Via proximity switch
Variants	Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils. Through piston rod Through, hollow piston rod Heat-resistant seals max. 120°C Piston rod at one end
Protection against torque/guide	Guide rod with yoke
Operating pressure	0.15 MPa ... 0.8 MPa
Operating pressure	1.5 bar ... 8 bar
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
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 according to the Festo internal definition of the degree of severity F1A with restrictions regarding the use of Cu/Zn/Ni
Cleanroom class	Class 6 according to ISO 14644-1
Ambient temperature	-10 °C ... 120 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi)	104 N ... 121 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	104 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	104 N ... 121 N

Feature	Value
Type of mounting	Either: With through-hole Via female thread
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy
Material housing	Anodised wrought aluminium alloy
Material piston rod	High-alloy stainless steel