

# 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	Any
Mode of operation	Double-acting Pushing Single-acting Pulling
Design	Piston Piston rod Profile barrel
Position detection	Via proximity switch
Variants	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 with reduced Cu/Zn/Ni values (F1a)
Cleanroom suitability, measured according to ISO 14644-14	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
Type of mounting	With through-hole With female thread
Pneumatic connection	M5
Note on materials	RoHS compliant
Material cover	Wrought aluminium alloy
Material housing	Anodised wrought aluminium alloy

Feature	Value
Material piston rod	High-alloy stainless steel