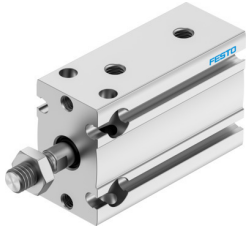


# Compact air cylinder DPDM-...-16- -

Part number: 4186566

**FESTO**



## Data sheet

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	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 torsion/guide	Guide rod with yoke
Operating pressure	0.15 MPa...0.8 MPa 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	Product corresponds to Festo's internal product definition for use in battery production: Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils
Cleanroom class	Class 6 according to ISO 14644-1
Ambient temperature	-10 °C...120 °C
Theoretical force at 6 bar	104 N...121 N

Feature	Value
Theoretical force at 6 bar, retracting	104 N
Theoretical force at 6 bar, advancing	104 N...121 N
Type of mounting	With through-hole With internal thread Optionally:
Pneumatic connection	M5
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy
Housing material	Wrought aluminum alloy, anodized
Piston rod material	High-alloy stainless steel