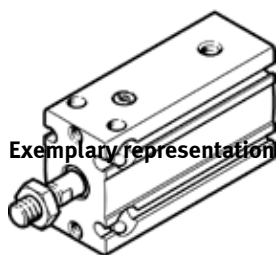


compact cylinder

DPDM-...-16- -

Part number: 4186566



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	5 ... 50 mm
Piston diameter	16 mm
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Mode of operation	double-acting single-acting pushing action pulling action
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor
Variants	Through piston rod Through, hollow piston rod Heat resistant seals, max. 120°C Single-ended piston rod Recommended for production facilities for the manufacture of lithium-ion batteries
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	0 - No corrosion stress 1 - Low corrosion stress 2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B2-L
RSBP classification to CD-0033	F1a
Cleanroom class	ISO class 6
Ambient temperature	-10 ... 120 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi)	104 ... 121 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	104 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	104 ... 121 N
Mounting type	with through hole with internal (female) thread Optional
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material cover	Wrought Aluminium alloy
Material housing	Anodised wrought aluminium alloy
Material piston rod	High alloy steel, non-corrosive