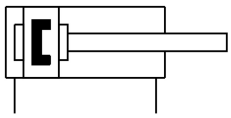
Standards-based cylinder DSNU-10- -F1A-

Part number: 8149443



Data sheet

Feature	Value
Stroke	1 mm...100 mm
Piston diameter	10 mm
Piston rod thread	M4
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Conforms to standard	CETOP RP 52 P ISO 6432
Structural design	Piston Piston rod Cylinder barrel
Position sensing	For proximity sensor
Variants	Metals with copper, zinc or nickel 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. Extended external thread piston rod Piston rod with external thread shortened at one end Extended piston rod Axial supply port Lateral supply port Through piston rod
Operating pressure	0.15 MPa...1 MPa 1.5 bar...10 bar
Mode of operation	Double-acting
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
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Suitability for the production of Li-ion batteries	Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils
Cleanroom class	Class 6 according to ISO 14644-1
Ambient temperature	-20 °C...80 °C
Theoretical force at 6 bar, retracting	39.6 N
Theoretical force at 6 bar, advancing	47.1 N
Moving mass at 0 mm stroke	8.5 g

Feature	Value
Additional moving mass per 10 mm stroke	1 g
Basic weight with 0 mm stroke	37.3 g
Additional weight per 10 mm stroke	2.7 g
Type of mounting	With accessories
Pneumatic connection	M5
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy, anodized
Seals material	TPE-U(PU)
Piston rod material	High-alloy stainless steel
Material of cylinder barrel	High-alloy stainless steel