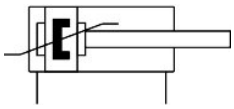
ISO cylinder
DSNU-16-100-PPS-A

Part number: 559267





General operating condition

Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	16 mm
Piston rod thread	M6
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Conforms to standard	ISO 6432
Piston rod end	External thread
Structural design	Piston Piston rod Cylinder barrel
Position sensing	For proximity sensor
Symbol	00992970
Variants	Piston rod at one end
Operating pressure	0.1 MPa ... 1 MPa
Operating pressure	1 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)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom class	Class 6 according to ISO 14644-1
Ambient temperature	-20 °C ... 80 °C
Impact energy in the end positions	0.15 J
Cushioning length	12 mm
Theoretical force at 6 bar, retracting	103.7 N
Theoretical force at 6 bar, advancing	120.6 N
Moving mass at 0 mm stroke	23 g
Additional moving mass per 10 mm stroke	2 g
Basic weight with 0 mm stroke	89.9 g
Additional weight per 10 mm stroke	4.6 g
Type of mounting	With accessories
Pneumatic connection	M5
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy Plain anodized
Seals material	NBR TPE-U(PU)

Feature	Value
Piston rod material	High-alloy stainless steel
Material of cylinder barrel	High-alloy stainless steel