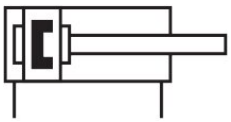
ISO cylinder
DSNU-8-100-P-A

Part number: 19182





Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	8 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
Piston rod end	External thread
Structural design	Piston Piston rod Cylinder barrel
Position sensing	Via proximity switch
Variants	Piston rod at one end
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)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
Ambient temperature	-20 °C...80 °C
Impact energy in the end positions	0.03 J
Theoretical force at 6 bar, retracting	22.6 N
Theoretical force at 6 bar, advancing	30.2 N
Moving mass at 0 mm stroke	7.5 g
Additional moving mass per 10 mm stroke	1 g
Basic weight with 0 mm stroke	34.6 g
Additional weight per 10 mm stroke	2.4 g
Type of mounting	With accessories
Pneumatic connection	M5
Note on materials	RoHS compliant
Cover material	Wrought aluminum alloy

Feature	Value
	Colorless anodized
Seals material	NBR TPE-U(PU)
Piston rod material	high-alloy stainless steel
Material of cylinder barrel	high-alloy stainless steel