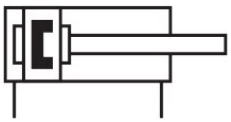
ISO cylinder
DSNU-8-100-P-A

Part number: 19182





Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	8 mm
Piston rod thread	M4
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Conforms to standard	CETOP RP 52 P ISO 6432
Piston-rod end	Male thread
Design	Piston Piston rod Cylinder barrel
Position detection	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 to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
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 end positions	0.03 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	22.6 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	30.2 N
Moving mass for 0 mm stroke	7.5 g
Additional moving mass per 10 mm stroke	1 g
Basic weight for 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

Feature	Value
Material cover	Wrought aluminium alloy Colourless anodised
Material seals	NBR TPE-U(PU)
Material piston rod	High-alloy stainless steel
Material cylinder barrel	High-alloy stainless steel