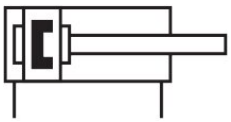
ISO cylinder
DSNU-12-80-P-A

Part number: 19193





General operating condition

Data sheet

Feature	Value
Stroke	80 mm
Piston diameter	12 mm
Piston rod thread	M6
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Conforms to standard	ISO 6432
Piston-rod end	Male thread
Design	Piston Piston rod Cylinder barrel
Position detection	Via proximity switch
Symbol	00991217
Variants	Piston rod at one end
Operating pressure	0.15 MPa ... 1 MPa
Operating pressure	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 class	Class 6 according to ISO 14644-1
Ambient temperature	-20 °C ... 80 °C
Impact energy in end positions	0.07 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	50.9 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	67.9 N
Moving mass for 0 mm stroke	18.5 g
Additional moving mass per 10 mm stroke	2 g
Basic weight for 0 mm stroke	75 g
Additional weight per 10 mm stroke	4 g
Type of mounting	With accessories
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy Colourless anodised
Material seals	NBR TPE-U(PU)

Feature	Value
Material piston rod	High-alloy stainless steel
Material cylinder barrel	High-alloy stainless steel