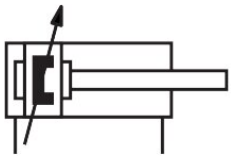
ISO cylinder
DSNU-16-80-PPV-A

Part number: 19231





General operating condition

Data sheet

Feature	Value
Stroke	80 mm
Piston diameter	16 mm
Piston rod thread	M6
Cushioning	Pneumatic cushioning, adjustable 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	00991235
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 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	0.15 J
Cushioning length	12 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	103.7 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	120.6 N
Moving mass for 0 mm stroke	23 g
Additional moving mass per 10 mm stroke	2 g
Basic weight for 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
Material cover	Wrought aluminium alloy Colourless anodised

Feature	Value
Material seals	NBR TPE-U(PU)
Material piston rod	High-alloy stainless steel
Material cylinder barrel	High-alloy stainless steel