

ISO cylinder DSNU-16- -PPV-A

Part number: 14320

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 mm ... 200 mm
Piston diameter	16 mm
Piston rod thread	M6
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Conforms to standard	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	0.1 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 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	0.15 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