ISO cylinder
ESNU-16- -

Part number: 193999

General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 mm ... 50 mm
Piston diameter	16 mm
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Conforms to standard	ISO 6432
Design	Piston Piston rod Cylinder barrel
Position detection	Via proximity switch
Variants	Extended male piston rod thread Piston rod with male thread shortened at one end Extended piston rod Axial supply port Piston rod at one end
Operating pressure	0.12 MPa ... 1 MPa
Operating pressure	1.2 bar ... 10 bar
Mode of operation	Pushing Single-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
Ambient temperature	-20 °C ... 120 °C
Impact energy in end positions	0.15 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	94 N ... 97 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
Material piston rod	High-alloy stainless steel
Material cylinder barrel	High-alloy stainless steel