

# ISO cylinder ESNU-12- -

Part number: 193998



 General operating condition

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 mm ... 50 mm
Piston diameter	12 mm
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Conforms to standard	ISO 6432
Structural design	Piston Piston rod Cylinder barrel
Position sensing	For proximity sensor
Variants	Extended external thread piston rod Piston rod with external thread shortened at one end Extended piston rod Axial supply port Piston rod at one end
Operating pressure	0.15 MPa ... 1 MPa
Operating pressure	1.5 bar ... 10 bar
Mode of operation	Pushing Single-acting
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C ... 120 °C
Impact energy in the end positions	0.07 J
Theoretical force at 6 bar, advancing	55 N ... 57 N
Moving mass at 0 mm stroke	18.5 g
Additional moving mass per 10 mm stroke	2 g
Basic weight with 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
Cover material	Wrought aluminum alloy
Piston rod material	High-alloy stainless steel
Material of cylinder barrel	High-alloy stainless steel