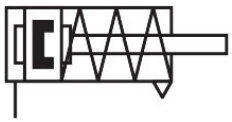
Round cylinder
ESNU-40-50-P-A

Part number: 196381





Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	40 mm
Piston rod thread	M12x1.25
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Design	Piston Piston rod Cylinder barrel
Position detection	Via proximity switch
Operating pressure	0.12 MPa...1 MPa 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...80 °C
Impact energy in end positions	0.7 J
Spring return force with retracted piston rod	30 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	30 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	687.6 N
Moving mass	310 g
Moving mass for 0 mm stroke	230 g
Additional moving mass per 10 mm stroke	16 g
Product weight	781 g
Basic weight for 0 mm stroke	661 g
Additional weight per 10 mm stroke	24 g
Type of mounting	With accessories
Pneumatic connection	G1/4
Note on materials	RoHS compliant
Material cover	Wrought aluminium alloy

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