

# Round cylinder ESNU-50-10-P-A

Part number: 196382

FESTO



 [General operating condition](#)

## Data sheet

Feature	Value
Stroke	10 mm
Piston diameter	50 mm
Piston rod thread	M16x1.5
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Design	Piston Piston rod Cylinder barrel
Position detection	Via proximity switch
Symbol	00991729
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 ... 80 °C
Impact energy in end positions	1 J
Spring return force with retracted piston rod	95 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	95 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	1072.8 N
Moving mass	438 g
Moving mass for 0 mm stroke	413 g
Additional moving mass per 10 mm stroke	25 g
Product weight	1127 g
Basic weight for 0 mm stroke	1087 g
Additional weight per 10 mm stroke	40 g
Type of mounting	With accessories
Pneumatic connection	G1/4
Note on materials	RoHS compliant
Material cover	Wrought aluminium alloy
Material seals	NBR TPE-U(PU)
Material piston rod	High-alloy steel

Feature	Value
Material cylinder barrel	High-alloy stainless steel