

round cylinder ESNU-50-10-P-A

Part number: 196382

FESTO

Based on DIN ISO 6432, for proximity sensing. Various mounting options, with or without additional mounting components. With elastic cushioning rings in the end positions.



Data sheet

Feature	Value
Stroke	10 mm
Piston diameter	50 mm
Piston rod thread	M16x1,5
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Design structure	Piston Piston rod Cylinder barrel
Position detection	For proximity sensor
Operating pressure MPa	0.12 ... 1 MPa
Operating pressure	1.2 ... 10 bar
Mode of operation	single-acting pushing action
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 ... 80 °C
Spring return force, retracted	95 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	95 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	1,072.8 N
Moving mass	438 g
Moving mass with 0 mm stroke	413 g
Additional mass factor per 10 mm of stroke	25 g
Product weight	1,127 g
Basic weight for 0 mm stroke	1,087 g
Additional weight per 10 mm stroke	40 g
Mounting type	with accessories
Pneumatic connection	G1/4
Materials note	Conforms to RoHS
Material cover	Wrought Aluminium alloy
Material seals	NBR TPE-U(PU)
Material piston rod	High alloy steel
Material cylinder barrel	High alloy steel, non-corrosive