

# Round cylinder ESNU-50-25-P-A

Part number: 196383

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	25 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
Working 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	82 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	82 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	1,072.8 N
Moving mass	476 g
Moving mass with 0 mm stroke	413 g
Additional mass factor per 10 mm of stroke	25 g
Product weight	1,187 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 Aluminum alloy
Material seals	NBR TPE-U(PU)
Material piston rod	High alloy steel
Material cylinder barrel	High alloy steel, non-corrosive