

Round cylinder ESNU-50-50-P-A

Part number: 196384

FESTO



 General operating condition

Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	50 mm
Piston rod thread	M16x1.5
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Structural design	Piston Piston rod Cylinder barrel
Position sensing	For proximity sensor
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 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 ... 80 °C
Impact energy in the end positions	1 J
Spring resetting force with piston rod in retracted position	60 N
Theoretical force at 6 bar, retracting	60 N
Theoretical force at 6 bar, advancing	1072.8 N
Moving mass	538 g
Moving mass at 0 mm stroke	413 g
Additional moving mass per 10 mm stroke	25 g
Product weight	1287 g
Basic weight with 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
Cover material	Wrought aluminum alloy
Seals material	NBR TPE-U (PU)
Piston rod material	High-alloy steel
Material of cylinder barrel	High-alloy stainless steel