

Round cylinder DSNU-50-100-PPS-A

Part number: 559319

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	50 mm
Piston rod thread	M16x1.5
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Structural design	Piston Piston rod Cylinder barrel
Position sensing	For proximity sensor
Symbol	00992970
Operating pressure	0.1 MPa ... 1 MPa
Operating pressure	1 bar ... 10 bar
Mode of operation	Double-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
Cushioning length	20 mm
Theoretical force at 6 bar, retracting	989.6 N
Theoretical force at 6 bar, advancing	1178.1 N
Moving mass	663 g
Product weight	1487 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