

# Round cylinder DSNU-50-100-PPS-A

Part number: 559319

FESTO

with self-adjusting pneumatic end position cushioning



## Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	50 mm
Piston rod thread	M16x1,5
Cushioning	PPS: Self-adjusting pneumatic end-position cushioning
Assembly position	Any
Design structure	Piston Piston rod Cylinder barrel
Position detection	For proximity sensor
Operating pressure MPa	0.1 ... 1 MPa
Working pressure	1 ... 10 bar
Mode of operation	double-acting
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
Cushioning length	20 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	989.6 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	1,178.1 N
Moving mass	663 g
Product weight	1,487 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