

Round cylinder DSNU-S-12-50-P-A-MQ

Part number: 5211903

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	12 mm
Piston rod thread	M6
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Structural design	Piston Piston rod Cylinder barrel
Position sensing	For proximity sensor
Symbol	00991217
Operating pressure	0.15 MPa ... 1 MPa
Operating pressure	1.5 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-B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 5 according to ISO 14644-1
Ambient temperature	-20 °C ... 80 °C
Impact energy in the end positions	0.07 J
Theoretical force at 6 bar, retracting	50.9 N
Theoretical force at 6 bar, advancing	67.9 N
Moving mass at 0 mm stroke	16.2 g
Additional moving mass per 10 mm stroke	2 g
Basic weight with 0 mm stroke	35.9 g
Additional weight per 10 mm stroke	4.2 g
Type of mounting	With accessories
Pneumatic connection	M5
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy, anodized
Seals material	TPE-U(PU)
Piston rod material	High-alloy stainless steel
Material of cylinder barrel	High-alloy stainless steel