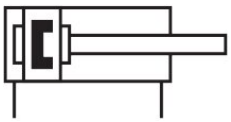
Round cylinder
DSNU-S-12-50-P-A-MQ

Part number: 5211903





Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	12 mm
Piston rod thread	M6
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Design	Piston Piston rod Cylinder barrel
Position detection	Via proximity switch
Operating pressure	0.15 MPa...1 MPa 1.5 bar...10 bar
Mode of operation	Double-acting
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
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 end positions	0.07 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	50.9 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	67.9 N
Moving mass for 0 mm stroke	16.2 g
Additional moving mass per 10 mm stroke	2 g
Basic weight for 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
Material cover	Anodised wrought aluminium alloy
Material seals	TPE-U(PU)
Material piston rod	High-alloy stainless steel

Feature	Value
Material cylinder barrel	High-alloy stainless steel