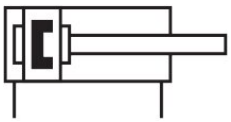
Round cylinder
DSNU-S-25-100-PPS-A-MX

Part number: 5228458





Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	25 mm
Piston rod thread	M10x1.25
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Design	Piston Piston rod Cylinder barrel
Position detection	Via proximity switch
Operating pressure	0.06 MPa...1 MPa 0.6 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	0.3 J
Cushioning length	17 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	247.4 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	294.5 N
Moving mass for 0 mm stroke	63.6 g
Additional moving mass per 10 mm stroke	6 g
Basic weight for 0 mm stroke	180.2 g
Additional weight per 10 mm stroke	11 g
Type of mounting	With accessories
Pneumatic connection	G1/8
Note on materials	RoHS compliant
Material cover	Anodised wrought aluminium alloy
Material seals	TPE-U(PU)

Feature	Value
Material piston rod	High-alloy stainless steel
Material cylinder barrel	High-alloy stainless steel