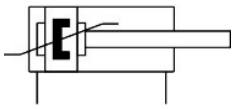
Round cylinder
DSNU-40-100-PPS-A

Part number: 559309





Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	40 mm
Piston rod thread	M12x1.25
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Design	Piston Piston rod Cylinder barrel
Position detection	Via proximity switch
Operating pressure	0.1 MPa...1 MPa 1 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-B1/B2-L
Ambient temperature	-20 °C...80 °C
Impact energy in end positions	0.7 J
Cushioning length	18 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	633.3 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	752.9 N
Moving mass	390 g
Product weight	901 g
Type of mounting	With accessories
Pneumatic connection	G1/4
Note on materials	RoHS compliant
Material cover	Wrought aluminium alloy
Material seals	NBR TPE-U(PU)
Material piston rod	High-alloy steel
Material cylinder barrel	High-alloy stainless steel