

# Round cylinder DSNU-S-12- -

Part number: 8112003

**FESTO**



## Data sheet

Feature	Value
Stroke	1 mm...150 mm
Piston diameter	12 mm
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Design	Piston Piston rod Cylinder barrel
Position detection	Via proximity switch
Variants	Extended male piston rod thread Piston rod with female thread Extended piston rod Axial supply port Swivel mounting, end cap Lateral supply port Mounting thread, end cap Shortened male piston rod thread
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
Ambient temperature	-20 °C...80 °C
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

<b>Feature</b>	<b>Value</b>
Material cover	Anodised wrought aluminium alloy
Material seals	TPE-U(PU)
Material piston rod	High-alloy stainless steel
Material cylinder barrel	High-alloy stainless steel