

# Round cylinder DSNU-S-16- -

Part number: 8112004

**FESTO**



## Data sheet

Feature	Value
Stroke	1 mm...200 mm
Piston diameter	16 mm
Cushioning	Elastic cushioning rings/pads at both ends Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Structural design	Piston Piston rod Cylinder barrel
Position sensing	For proximity sensor
Variants	Extended external thread piston rod Internal thread on piston rod Extended piston rod Axial supply port Swivel mounting, end cap Lateral supply port Fastening thread, end cap Shortened piston rod external thread
Operating pressure	0.08 MPa...1 MPa 0.8 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
Ambient temperature	-20 °C...80 °C
Cushioning length	12 mm
Theoretical force at 6 bar, retracting	103.7 N
Theoretical force at 6 bar, advancing	120.6 N
Moving mass at 0 mm stroke	18.3 g
Additional moving mass per 10 mm stroke	2 g
Basic weight with 0 mm stroke	48.9 g
Additional weight per 10 mm stroke	4.8 g
Type of mounting	With accessories
Pneumatic connection	M5

Feature	Value
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