

Round cylinder DSNU-S-25-80-PPS-A-MX

Part number: 5228457

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Stroke	80 mm
Piston diameter	25 mm
Piston rod thread	M10x1.25
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Structural design	Piston Piston rod Cylinder barrel
Position sensing	For proximity sensor
Symbol	00991217
Operating pressure	0.06 MPa ... 1 MPa
Operating pressure	0.6 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
Cleanroom suitability, measured according to ISO 14644-14	Class 5 according to ISO 14644-1
Ambient temperature	-20 °C ... 80 °C
Impact energy in the end positions	0.3 J
Cushioning length	17 mm
Theoretical force at 6 bar, retracting	247.4 N
Theoretical force at 6 bar, advancing	294.5 N
Moving mass at 0 mm stroke	63.6 g
Additional moving mass per 10 mm stroke	6 g
Basic weight with 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
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