

# Round cylinder DSNU-S-20-100-PPS-A-MX

Part number: 5225842

★ Core product range

FESTO



## Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	20 mm
Piston rod thread	M8
Cushioning	PPS: Self-adjusting pneumatic end-position cushioning
Assembly position	Any
Design structure	Piston Piston rod Cylinder barrel
Position detection	For proximity sensor
Operating pressure MPa	0.08 ... 1 MPa
Working pressure	0.8 ... 10 bar
Mode of operation	double-acting
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B2-L
Cleanroom class	ISO class 6
Ambient temperature	-20 ... 80 °C
Cushioning length	15 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	158.3 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	188.5 N
Moving mass with 0 mm stroke	37.3 g
Additional mass factor per 10 mm of stroke	4 g
Basic weight for 0 mm stroke	126 g
Additional weight per 10 mm stroke	7.2 g
Mounting type	with accessories
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Material cover	Anodised wrought aluminium alloy
Material seals	TPE-U(PU)
Material piston rod	High alloy steel, non-corrosive
Material cylinder barrel	High alloy steel, non-corrosive