

# round cylinder DSNU-S-16-80-PPS-A-MQ

Part number: 5217243

★ Core product range

FESTO



## Data sheet

Feature	Value
Stroke	80 mm
Piston diameter	16 mm
Piston rod thread	M6
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
Operating 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	12 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	103.7 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	120.6 N
Moving mass with 0 mm stroke	18.3 g
Additional mass factor per 10 mm of stroke	2 g
Basic weight for 0 mm stroke	48.9 g
Additional weight per 10 mm stroke	4.8 g
Mounting type	with accessories
Pneumatic connection	M5
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