

Standards-based cylinder

DSNU-8-25-P-A

Part number: 19178

FESTO

Based on DIN ISO 6432, for proximity sensing. Various mounting options, with or without additional mounting components. With elastic cushioning rings in the end positions.



Data sheet

Feature	Value
Stroke	25 mm
Piston diameter	8 mm
Piston rod thread	M4
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Conforms to standard	CETOP RP 52 P ISO 6432
Piston-rod end	Male thread
Design structure	Piston Piston rod Cylinder barrel
Position detection	For proximity sensor
Variants	Single-ended piston rod
Operating pressure MPa	0.15 ... 1 MPa
Working pressure	1.5 ... 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-B1/B2-L
Cleanroom class	ISO class 6
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	0.03 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	22.6 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	30.2 N
Moving mass with 0 mm stroke	7.5 g
Additional mass factor per 10 mm of stroke	1 g
Basic weight for 0 mm stroke	34.6 g
Additional weight per 10 mm stroke	2.4 g
Mounting type	with accessories
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material cover	Wrought Aluminum alloy neutral anodization
Material seals	NBR TPE-U(PU)
Material piston rod	High alloy steel, non-corrosive
Material cylinder barrel	High alloy steel, non-corrosive