

compact cylinder

ADN-80-50-I-PPS-A-C

Part number: 8076247
Product to be discontinued

FESTO

Type to be discontinued. Available until 2022. See Support Portal for alternative products.



Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	80 mm
Piston rod thread	M16x1,5
Cushioning	PPS: Self-adjusting pneumatic end-position cushioning
Assembly position	Any
Conforms to standard	ISO 21287
Piston-rod end	Female thread
Design structure	Piston Piston rod
Position detection	For proximity sensor
Variants	Single-ended piston rod
Operating pressure MPa	0.1 ... 1 MPa
Operating pressure	1 ... 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	1 - Low corrosion stress
PWIS conformity	VDMA24364-B2-L
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	8 J
Cushioning length	7.5 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	2,827 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	3,016 N
Moving mass with 0 mm stroke	293 g
Additional weight per 10 mm stroke	114 g
Basic weight for 0 mm stroke	1,266 g
Additional mass factor per 10 mm of stroke	24 g
Mounting type	with through hole with internal (female) thread with accessories Optional
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Material cover	Wrought Aluminium alloy
Material seals	TPE-U(PUR)
Material piston rod	High alloy steel
Material cylinder barrel	Wrought Aluminium alloy Smooth anodised