

# compact cylinder ADN-16-70-I-P-A

Part number: 8178767

FESTO



## Data sheet

Feature	Value
Stroke	70 mm
Piston diameter	16 mm
Piston rod thread	M4
Based on the standard	ISO 21287
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Mode of operation	double-acting
Piston-rod end	Female thread
Position detection	For proximity sensor
Variants	Single-ended piston rod
Operating pressure MPa	0.06 ... 1 MPa
Operating pressure	0.6 ... 10 bar 8.7 ... 145 psi
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	0.15 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	90 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	121 N
Moving mass with 0 mm stroke	15 g
Additional mass factor per 10 mm of stroke	4 g
Basic weight for 0 mm stroke	79 g
Additional weight per 10 mm stroke	14 g
Mounting type	with through hole with internal (female) thread with accessories Optional
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material of flange screw	Steel
Material cover	Anodised wrought aluminium alloy
Material seals	TPE-U(PUR)
Material piston rod	High alloy steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy