

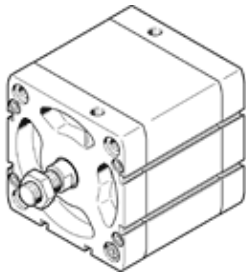
compact cylinder ADN-80-50-A-P-A

Part number: 536359

★ Core product range

Per ISO 21287, with position sensing and external piston rod thread

FESTO



Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	80 mm
Piston rod thread	M16x1,5
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Conforms to standard	ISO 21287
Piston-rod end	Male thread
Position detection	For proximity sensor
Variants	Single-ended piston rod
Operating pressure MPa	0.06 ... 1 MPa
Operating pressure	0.6 ... 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
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	1.8 J
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	400 g
Additional mass factor per 10 mm of stroke	25 g
Basic weight for 0 mm stroke	1,121 g
Additional weight per 10 mm stroke	79 g
Mounting type	with through hole with internal (female) thread with accessories Optional
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Material of flange screw	Steel
Material cover	Die-cast aluminium, coated
Material seals	TPE-U(PUR)
Material piston rod	High alloy steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy