

# Compact cylinder ADN-80-50-A-P-A-C

Part number: 8076214  
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	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Conforms to standard	ISO 21287
Piston-rod end	Male thread
Design structure	Piston Piston rod
Position detection	For proximity sensor
Variants	Single-ended piston rod
Operating pressure MPa	0.04 ... 1 MPa
Working pressure	0.4 ... 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	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	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 Aluminum alloy
Material seals	TPE-U(PUR)
Material piston rod	High alloy steel
Material cylinder barrel	Wrought Aluminum alloy Smooth anodized