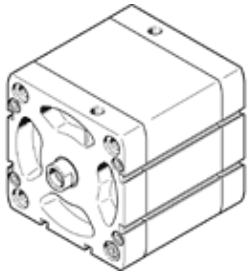
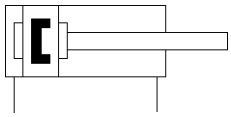
compact cylinder
ADN-100-40-I-P-A

Part number: 536389

FESTO

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





Data sheet

Feature	Value
Stroke	40 mm
Piston diameter	100 mm
Piston rod thread	M12
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Conforms to standard	ISO 21287
Piston-rod end	Female thread
Position detection	For proximity sensor
Variants	Single-ended piston rod
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
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	2.5 J
Theoretical force at 6 bar, return stroke	4,524 N
Theoretical force at 6 bar, advance stroke	4,712 N
Moving mass with 0 mm stroke	570 g
Additional weight per 10 mm stroke	98 g
Basic weight for 0 mm stroke	2,154 g
Additional mass factor per 10 mm of stroke	25 g
Mounting type	Optional with through hole with internal (female) thread with accessories
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Material cover	Aluminium die cast coated
Material seals	TPE-U(PUR)
Material piston rod	High alloy steel
Material cylinder barrel	Wrought Aluminium alloy Smooth anodised