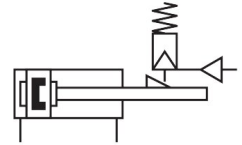


Compact cylinder ADN-50- -KP-

Part number: 548210

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	10 mm ... 400 mm
Piston diameter	50 mm
Piston rod thread	M12x1.25
Based on norm	ISO 21287
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Clamping type with active direction	Both sides
Piston rod end	Internal thread
Structural design	Piston Piston rod Cylinder barrel
Position sensing	For proximity sensor
Symbol	00991260
Variants	Extended external thread piston rod Special thread on piston rod Extended piston rod Laser etched rating plate
Operating pressure	0.15 MPa ... 1 MPa
Operating pressure	1.5 bar ... 10 bar
Mode of operation	Double-acting
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-10 °C ... 80 °C
Impact energy in the end positions	1 J
Theoretical force at 6 bar, retracting	990 N
Theoretical force at 6 bar, advancing	1178 N
Moving mass at 0 mm stroke	296 g
Additional moving mass per 10 mm stroke	25 g
Basic weight with 0 mm stroke	1268 g
Additional weight per 10 mm stroke	60 g
Type of mounting	With internal thread With accessories
Pneumatic connection	G1/8
Note on materials	RoHS-compliant

Feature	Value
Cover material	Wrought aluminum alloy Anodized
Piston rod material	High-alloy steel
Material of cylinder barrel	Wrought aluminum alloy Smooth anodized