

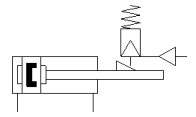
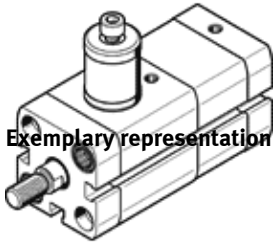
# compact cylinder

## ADN-25- -KP-

Part number: 548207

FESTO

In accordance with ISO 21287, for position sensing, with male or female thread on the piston rod, with integrated clamping cartridge.



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	10 ... 300 mm
Piston diameter	25 mm
Piston rod thread	M8
Based on the standard	ISO 21287
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Type of clamping with direction of action	at both ends
Piston-rod end	Female thread
Design structure	Piston Piston rod Cylinder barrel
Position detection	For proximity sensor
Variants	Extended male piston rod thread Piston rod with special thread Extended piston rod laser etched rating plate
Operating pressure MPa	0.15 ... 1 MPa
Operating pressure	1.5 ... 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	-10 ... 80 °C
Impact energy in end positions	0.3 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	247 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	295 N
Moving mass with 0 mm stroke	63 g
Additional mass factor per 10 mm of stroke	6 g
Basic weight for 0 mm stroke	344 g
Additional weight per 10 mm stroke	26 g
Mounting type	with internal (female) thread with accessories
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material cover	Wrought Aluminium alloy Anodised
Material piston rod	High alloy steel
Material cylinder barrel	Wrought Aluminium alloy Smooth anodised