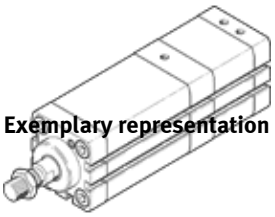
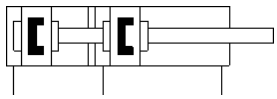
Multi-position cylinder
ADNM-100- -

Part number: 539698

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



Exemplary representation



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Piston diameter	100 mm
Possible stroke for last cylinder position	1 ... 2,000 mm
Possible stroke for intermediate positions	1 ... 400 mm
Based on the standard	ISO 21287
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Design structure	Piston Piston rod Profile barrel
Max. number of intermediate positions	5
Max. total of all individual strokes	2,000 mm
Position detection	For proximity sensor
Variants	Extended male piston rod thread Piston rod with special thread Extended piston rod Heat resistant seals, max. 120°C laser etched rating plate
Operating pressure MPa	0.06 ... 1 MPa
Working 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 ... 120 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	4,417 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	4,712 N
Mounting type	with internal (female) thread with accessories Optional
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Material cover	Wrought Aluminum alloy Anodized
Material seals	TPE-U(PU)
Material housing	Wrought Aluminum alloy Anodized
Material piston rod	High alloy steel