Multi-position cylinder
ADNM-100- -

Part number: 539698

Data sheet

Feature	Value
Piston diameter	100 mm
Possible stroke for last cylinder position	1 mm...2000 mm
Possible stroke for intermediate positions	1 mm...400 mm
Based on standard	ISO 21287
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Design	Piston Piston rod Profile barrel
Max. number of intermediate positions	5
Max. total of all individual strokes	2000 mm
Position detection	Via proximity switch
Variants	Extended male piston rod thread Custom thread on the piston rod Extended piston rod Heat-resistant seals max. 120°C Laser etched rating plate
Operating pressure	0.06 MPa...1 MPa 0.6 bar...10 bar 8.7 psi...145 psi
Mode of operation	Double-acting
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C...120 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	4417 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	4712 N
Type of mounting	Via female thread With accessories Either:
Pneumatic connection	G1/8
Note on materials	RoHS-compliant

Feature	Value
Material cover	Wrought aluminium alloy Anodised
Material seals	TPE-U(PU)
Material housing	Wrought aluminium alloy Anodised
Material piston rod	High-alloy steel