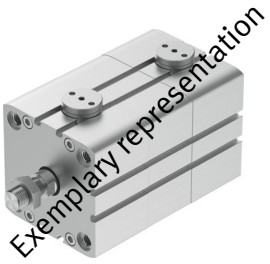
Compact cylinder
ADN-80- -EL-

Part number: 548220



General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	10 mm ... 500 mm
Piston diameter	80 mm
Piston rod thread	M16x1.5
Based on standard	ISO 21287
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Piston-rod end	Female thread
Design	Piston Piston rod Cylinder barrel
Position detection	Via proximity switch
Variants	With end-position locking on both sides With end-position locking at rear With end-position locking at front Extended male piston rod thread Custom thread on the 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 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 ... 80 °C
Impact energy in end positions	1.8 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	2827 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	3016 N
Additional moving mass per 10 mm stroke	25 g
Type of mounting	Via female thread With accessories
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy Anodised
Material piston rod	High-alloy steel

Feature	Value
Material cylinder barrel	Wrought aluminium alloy Smooth anodised