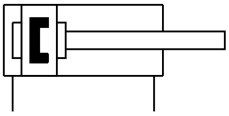
Compact cylinder ADVU-80-50-A-P-A

Part number: 156660



Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	80 mm
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Mode of operation	Double-acting
Piston-rod end	Male thread
Design	Piston Piston rod
Position detection	Via proximity switch
Variants	Piston rod at one end
Operating pressure	0.06 MPa...1 MPa 6 bar...10 bar 8.7 psi...145 psi
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	0.75 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
Moving mass for 0 mm stroke	307 g
Additional moving mass per 10 mm stroke	25 g
Basic weight for 0 mm stroke	1772 g
Additional weight per 10 mm stroke	168 g
Type of mounting	Either: With through-hole With accessories
Pneumatic connection	G1/8
Material collar screws	Galvanised steel
Material cover	Wrought aluminium alloy

Feature	Value
Material dynamic seals	NBR TPE-U(PU)
Material piston rod	High-alloy steel
Material cylinder barrel	Wrought aluminium alloy