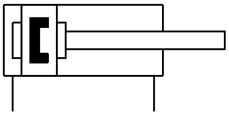
Compact cylinder ADVU-12- -A-P-A-S6

Part number: 156090



Data sheet

Feature	Value
Stroke	1 mm...200 mm
Piston diameter	12 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	Heat-resistant seals max. 120°C
Operating pressure	0.12 MPa...1 MPa 1.2 bar...10 bar 17.4 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	0 °C...120 °C
Impact energy in end positions	0.07 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	51 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	68 N
Moving mass for 0 mm stroke	8 g
Additional moving mass per 10 mm stroke	2 g
Basic weight for 0 mm stroke	87 g
Additional weight per 10 mm stroke	15 g
Type of mounting	Either: With through-hole With accessories
Pneumatic connection	M5
Material collar screws	High-alloy stainless steel
Material cover	Wrought aluminium alloy
Material dynamic seals	FPM

Feature	Value
Material piston rod	High-alloy stainless steel
Material cylinder barrel	Wrought aluminium alloy