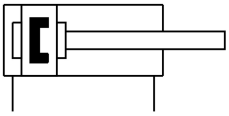
Compact air cylinder ADVU-12- -A-P-A-S6

Part number: 156090



Data sheet

Feature	Value
Stroke	1 mm...200 mm
Piston diameter	12 mm
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Double-acting
Piston rod end	External thread
Structural design	Piston Piston rod
Position sensing	For proximity sensor
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 as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	0 °C...120 °C
Impact energy in the end positions	0.07 J
Theoretical force at 6 bar, retracting	51 N
Theoretical force at 6 bar, advancing	68 N
Moving mass at 0 mm stroke	8 g
Additional moving mass per 10 mm stroke	2 g
Basic weight with 0 mm stroke	87 g
Additional weight per 10 mm stroke	15 g
Type of mounting	Optionally: With through-hole With accessories
Pneumatic connection	M5
Flange screws material	High-alloy stainless steel
Cover material	Wrought aluminum alloy
Material of dynamic seals	FPM
Piston rod material	High-alloy stainless steel

Feature	Value
Material of cylinder barrel	Wrought aluminum alloy