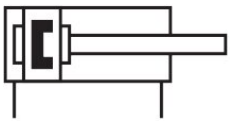
Compact cylinder
ADVU-12-5-P-A

Part number: 156500





Data sheet

Feature	Value
Stroke	5 mm
Piston diameter	12 mm
Piston rod thread	M3
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Double-acting
Piston rod end	Internal thread
Structural design	Piston Piston rod
Position sensing	Via proximity switch
Variants	Piston rod at one end
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	-20 °C...80 °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	Alternatively: With through-hole With accessories
Pneumatic connection	M5
Flange screws material	high-alloy stainless steel
Cover material	Wrought aluminum alloy
Material of dynamic seals	NBR

Feature	Value
	TPE-U(PU)
Piston rod material	high-alloy stainless steel
Material of cylinder barrel	Wrought aluminum alloy