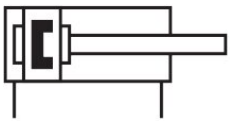
Compact cylinder
ADVU-25-50-P-A

Part number: 156529





Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	25 mm
Piston rod thread	M5
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	0.1 MPa...1 MPa 1 bar...10 bar 14.5 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	0.1 J
Theoretical force at 6 bar, retracting	247 N
Theoretical force at 6 bar, advancing	295 N
Moving mass at 0 mm stroke	26 g
Additional moving mass per 10 mm stroke	6 g
Basic weight with 0 mm stroke	180 g
Additional weight per 10 mm stroke	28 g
Type of mounting	Alternatively: With through-hole With accessories
Pneumatic connection	M5
Flange screws material	Steel, galvanized
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