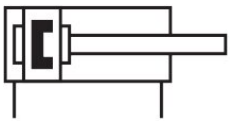
Compact cylinder
ADVU-25-50-P-A

Part number: 156529





Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	25 mm
Piston rod thread	M5
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Mode of operation	Double-acting
Piston-rod end	Female thread
Design	Piston Piston rod
Position detection	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 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	0.1 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	247 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	295 N
Moving mass for 0 mm stroke	26 g
Additional moving mass per 10 mm stroke	6 g
Basic weight for 0 mm stroke	180 g
Additional weight per 10 mm stroke	28 g
Type of mounting	Either: With through-hole With accessories
Pneumatic connection	M5
Material collar screws	Galvanised steel
Material cover	Wrought aluminium alloy

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