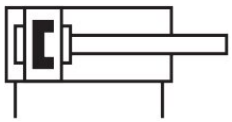
Compact cylinder
ADVU-50-25-P-A

Part number: 156553





Data sheet

Feature	Value
Stroke	25 mm
Piston diameter	50 mm
Piston rod thread	M8
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	0.08 MPa...1 MPa 0.8 bar...10 bar 11.6 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	0.64 J
Theoretical force at 6 bar, retracting	1057 N
Theoretical force at 6 bar, advancing	1178 N
Moving mass at 0 mm stroke	112 g
Additional moving mass per 10 mm stroke	16 g
Basic weight with 0 mm stroke	560 g
Additional weight per 10 mm stroke	72 g
Type of mounting	Alternatively: With through-hole With accessories
Pneumatic connection	G1/8
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 steel
Material of cylinder barrel	Wrought aluminum alloy