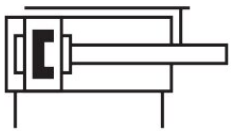
Compact cylinder
ADVUL-100-50-P-A

Part number: 156927





Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	100 mm
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Structural design	Piston Piston rod
Position sensing	Via proximity switch
Variants	Piston rod at one end
Protection against torsion/guide	Guide rod with yoke
Operating pressure	0.1 MPa...1 MPa 1 bar...10 bar
Mode of operation	Double-acting
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	1 J
Theoretical force at 6 bar, retracting	4418 N
Theoretical force at 6 bar, advancing	4712 N
Moving mass at 0 mm stroke	1133 g
Additional moving mass per 10 mm stroke	43 g
Basic weight with 0 mm stroke	3316 g
Additional weight per 10 mm stroke	116 g
Type of mounting	Alternatively: With through-hole With accessories
Pneumatic connection	G1/4
Flange screws material	Steel, galvanized
Cover material	Wrought aluminum alloy
Material of dynamic seals	NBR TPE-U(PU)
Piston rod material	High-alloy steel

Feature	Value
Material of cylinder barrel	Wrought aluminum alloy