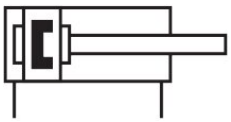
Compact cylinder
ADVU-100-80-A-P-A

Part number: 156671





Data sheet

Feature	Value
Stroke	80 mm
Piston diameter	100 mm
Piston rod thread	M20x1.5
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Double-acting
Piston rod end	External thread
Structural design	Piston Piston rod
Position sensing	Via proximity switch
Variants	Piston rod at one end
Operating pressure	0.06 MPa...1 MPa 0.6 bar...10 bar 8.7 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	1 J
Theoretical force at 6 bar, retracting	4418 N
Theoretical force at 6 bar, advancing	4712 N
Moving mass at 0 mm stroke	614 g
Additional moving mass per 10 mm stroke	38 g
Basic weight with 0 mm stroke	2797 g
Additional weight per 10 mm stroke	177 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

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