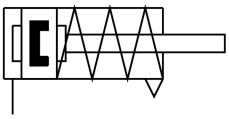
Compact air cylinder AEVU-100- -P-A

Part number: 156229



Data sheet

Feature	Value
Stroke	1 mm...25 mm
Piston diameter	100 mm
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Single-acting Pushing
Piston rod end	Internal thread
Structural design	Piston Piston rod
Position sensing	For proximity sensor
Variants	Piston rod at one end
Operating pressure	0.06 MPa...1 MPa 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, advancing	4516 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	Optionally: 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)

Feature	Value
Piston rod material	High-alloy steel
Material of cylinder barrel	Wrought aluminum alloy