

Compact cylinder ADVU-100-50-A-P-A

Part number: 156669

FESTO



Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	100 mm
Short type code	ADVU
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Mode of operation	Double-acting
Piston-rod end	Male thread
Design	Piston Piston rod
Position detection	Via proximity switch
Symbol	00991217
Variants	Piston rod at one end
Operating pressure	0.6 bar ... 10 bar
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
Ambient temperature	-20 °C ... 80 °C
Impact energy in end positions	1 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	4418 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	4712 N
Moving mass for 0 mm stroke	614 g
Additional weight per 10 mm stroke	177 g
Basic weight for 0 mm stroke	2797 g
Additional moving mass per 10 mm stroke	38 g
Type of mounting	Either: With through-hole With accessories
Pneumatic connection	G1/4
Material collar screws	Galvanised steel
Material cover	Wrought aluminium alloy
Material dynamic seals	NBR TPE-U(PU)
Material piston rod	High-alloy steel
Material cylinder barrel	Wrought aluminium alloy