

Compact cylinder ADVU-12-20-P-A

Part number: 156503

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Stroke	20 mm
Piston diameter	12 mm
Piston rod thread	M3
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
Symbol	00991217
Variants	Piston rod at one end
Operating pressure	0.12 MPa ... 1 MPa
Operating pressure	1.2 bar ... 10 bar
Operating pressure	17.4 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	0.07 J
Theoretical force at 6 bar, retracting	51 N
Theoretical force at 6 bar, advancing	68 N
Moving mass at 0 mm stroke	8 g
Additional moving mass per 10 mm stroke	2 g
Basic weight with 0 mm stroke	87 g
Additional weight per 10 mm stroke	15 g
Type of mounting	With through-hole With accessories
Pneumatic connection	M5
Flange screws material	high-alloy stainless steel
Cover material	Wrought aluminum alloy
Material of dynamic seals	NBR TPE-U(PU)
Piston rod material	high-alloy stainless steel
Material of cylinder barrel	Wrought aluminum alloy