

Compact cylinder ADVU-125-50-A-P-A

Part number: 175768

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	125 mm
Piston rod thread	M27x2
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	For proximity sensor
Symbol	00991217
Variants	Piston rod at one end
Operating pressure	0.05 MPa ... 1 MPa
Operating pressure	0.5 bar ... 10 bar
Operating pressure	7.25 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	3.3 J
Theoretical force at 6 bar, retracting	6881 N
Theoretical force at 6 bar, advancing	7363 N
Moving mass at 0 mm stroke	1317 g
Additional moving mass per 10 mm stroke	63 g
Basic weight with 0 mm stroke	3426 g
Additional weight per 10 mm stroke	168 g
Type of mounting	With through-hole With accessories
Pneumatic connection	G1/4
Flange screws material	Steel, galvanized
Cover material	Die cast aluminum, painted
Material of dynamic seals	NBR TPE-U(PU)
Piston rod material	High-alloy steel
Material of cylinder barrel	Wrought aluminum alloy