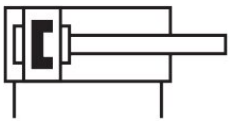
Compact cylinder
ADVU-50-80-A-P-A

Part number: 156644





General operating condition

Data sheet

Feature	Value
Stroke	80 mm
Piston diameter	50 mm
Piston rod thread	M12x1.25
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	0.08 MPa ... 1 MPa
Operating pressure	0.8 bar ... 10 bar
Operating pressure	11.6 psi ... 145 psi
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
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C ... 80 °C
Impact energy in end positions	0.64 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	1057 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	1178 N
Moving mass for 0 mm stroke	112 g
Additional moving mass per 10 mm stroke	16 g
Basic weight for 0 mm stroke	560 g
Additional weight per 10 mm stroke	72 g
Type of mounting	Either: With through-hole With accessories
Pneumatic connection	G1/8
Material collar screws	Galvanised steel
Material cover	Wrought aluminium alloy
Material dynamic seals	NBR TPE-U(PU)
Material piston rod	High-alloy steel

Feature	Value
Material cylinder barrel	Wrought aluminium alloy