

Short-stroke cylinder ADVC-50-10-A-P

Part number: 188272

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Stroke	10 mm
Piston diameter	50 mm
Based on standard	ISO 6431 Hole pattern VDMA 24562
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Mode of operation	Double-acting
Design	Piston Piston rod
Position detection	Without
Symbol	00991227
Operating pressure	0.06 MPa ... 1 MPa
Operating pressure	0.6 bar ... 10 bar
Operating pressure	8.7 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	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C ... 80 °C
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	119 g
Moving mass for 0 mm stroke	111 g
Additional moving mass per 10 mm stroke	16 g
Product weight	388 g
Basic weight for 0 mm stroke	357 g
Additional weight per 10 mm stroke	62 g
Type of mounting	Either: With through-hole With accessories
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy Anodised
Material seals	NBR TPE-U(PU)

Feature	Value
Material housing	Anodised
Material piston rod	High-alloy steel