

Short-stroke cylinder ADVC-80-20-I-P-A

Part number: 188310

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Stroke	20 mm
Piston diameter	80 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	Via proximity switch
Symbol	00991217
Operating pressure	0.1 MPa ... 1 MPa
Operating pressure	1 bar ... 10 bar
Operating pressure	14.5 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	2827 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	3016 N
Moving mass	301 g
Moving mass for 0 mm stroke	265 g
Additional moving mass per 10 mm stroke	24 g
Product weight	1288 g
Basic weight for 0 mm stroke	1119 g
Additional weight per 10 mm stroke	114 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	TPE-U(PU)

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