Compact air cylinder
ADN-80-20-I-PPS-A

Part number: 572720

FESTO

Data sheet

Feature	Value
Stroke	20 mm
Piston diameter	80 mm
Piston rod thread	M12
Type code	ADN
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Conforms to standard	ISO 21287
Piston rod end	Internal thread
Position sensing	For proximity sensor
Symbol	00992970
Variants	Piston rod at one end
Operating pressure	0.1 MPa ... 1 MPa
Operating pressure	1 bar ... 10 bar
Mode of operation	Double-acting
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 conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C ... 80 °C
Impact energy in the end positions	8 J
Cushioning length	7.5 mm
Theoretical force at 6 bar, retracting	2827 N
Theoretical force at 6 bar, advancing	3016 N
Moving mass at 0 mm stroke	400 g
Additional weight per 10 mm stroke	79 g
Basic weight with 0 mm stroke	1121 g
Additional moving mass per 10 mm stroke	25 g
Type of mounting	Optionally: With through-hole With internal thread With accessories
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Cover material	Die-cast aluminum, coated
Seals material	TPE-U(PUR)
Piston rod material	High-alloy steel

Feature	Value
Material of cylinder barrel	Wrought aluminum alloy Smooth anodized