

Compact air cylinder ADN-20-50-A-PPS-A-C

Part number: 8076103

FESTO



Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	20 mm
Piston rod thread	M8
Type code	ADN
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Conforms to standard	ISO 21287
Piston rod end	External thread
Structural design	Piston Piston rod
Position sensing	For proximity sensor
Symbol	00992970
Variants	Piston rod at one end
Operating pressure	0.15 MPa ... 1 MPa
Operating pressure	1.5 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)	1 - Low corrosion stress
LABS conformity	VDMA24364-B2-L
Ambient temperature	-20 °C ... 80 °C
Impact energy in the end positions	0.65 J
Cushioning length	3 mm
Theoretical force at 6 bar, retracting	141 N
Theoretical force at 6 bar, advancing	188 N
Moving mass at 0 mm stroke	24.5 g
Additional weight per 10 mm stroke	26 g
Basic weight with 0 mm stroke	110 g
Additional moving mass per 10 mm stroke	6 g
Type of mounting	Optionally: With through-hole With internal thread With accessories
Pneumatic connection	M5
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy
Seals material	TPE-U(PUR)

Feature	Value
Piston rod material	High-alloy steel
Material of cylinder barrel	Wrought aluminum alloy Smooth anodized