

Compact Cylinder ADN-100-80-A-PPS-A - Festo 577207

Item no. FES-577207

Manufacturer Festo

EAN 4052568225612

Festo pneumatic cylinder for precise linear motion and defined force in automation.

TECHNICAL DATA

Ausführungstyp	einseitige Kolbenstange
Betriebsdruck max [bar]	10.000000
Bore (mm)	100.000000
Corrosion resistance class CRC	2 - moderate corrosion stress
Cushioning	PPS: Self-setting pneumatic end position dampening
Dichtmaterial	TPE-U(PU)
Funktion	double-acting
HS-Code	84123100
Hub [mm]	80
Medium	Compressed air
Mounting position	arbitrary
Norm	ISO 21287
Pneumatic connection	G1/8
Position sensing	Yes
Series	ADN
Temperature (max.)	80
Weight	2.5 kg



STANDARDS & COMPLIANCE

ISO 8573-1:2010

DESCRIPTION

Festo pneumatic cylinder for precise linear motion and defined force in automation. The key technical data of this genuine Festo article are listed below.

Stroke [mm]	80
Piston diameter	100 mm
Piston rod thread	M16x1,5
Dampening	PPS: Self-setting pneumatic end position dampening
installation position	arbitrary
Complies to standard	ISO 21287
Piston rod end	Male thread

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Page 1/2

Position detection	For proximity switch
Variants	One-sided piston rod
Operating pressure [bar]	1 to 10
Principle of operation	double acting
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Information about operating and control medium	Oiled operation possible (required in further operations)
Corrosion resistant class KBK	2 - moderate corrosion stress
ambient temperature [°C]	-20 to 80
Impact energy at the end positions [J]	2,50
Theoretical force at 6 bar, Return flow [N]	4.524
Theoretical force at 6 bar, flow [N]	4.712
Moving mass at 0 mm stroke [g]	570
Weight supplement per 10 mm stroke [g]	98
Base weight at 0 mm stroke [g]	2.154
Supplement moved mass per 10 mm stroke [g]	25
Fastening type	With throughway bores With female thread With Accessories Selectively:
Pneumatic connection	G1/8
Material information	RoHs compliant
Cover material	Aluminium die casting Coated
Seals material	TPE-U(PUR)
Piston rod material	High-alloyed steel
Cylinder tube material	Aluminium wrought alloy Smooth anodised
Dampening length [mm]	10,0