

Standards-Based Cylind DSNU-12-160-P-A - Festo 19196

Item no. FES-19196

Manufacturer Festo

EAN 4052568066994

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

TECHNICAL DATA

Ausführungstyp	einseitige Kolbenstange
Betriebsdruck max [bar]	10.000000
Bore (mm)	12.000000
Corrosion resistance class CRC	2 - moderate corrosion stress
Cushioning	P: Elastic silencer rings / plates double-sided
Design	Piston, piston rod, cylinder tube
Dichtmaterial	NBR, TPE-U(PU)
Funktion	double-acting
HS-Code	84123100
Hub [mm]	160
Medium	Compressed air
Mounting position	arbitrary
Norm	ISO 6432
Operating conditions	ISO 8573-1
Pneumatic connection	M5
Position sensing	Yes
Series	DSNU
Temperature (max.)	80
Weight	0.15 kg



STANDARDS & COMPLIANCE

ISO 6432 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]	160
Piston diameter	12 mm
Piston rod thread	M6
Dampening	P: Elastic silencer rings / plates double-sided
installation position	arbitrary
Complies to standard	CETOP RP 52 P ISO 6432

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Piston rod end	Male thread
Construction set up	Piston piston rod cylinder tube
Position detection	For proximity switch
Variants	One-sided piston rod
Operating pressure [bar]	1.5 to 10
Principle of operation	double acting
Maritime classification	see Certificate
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]	0,07
Theoretical force at 6 bar, Return flow [N]	50,9
Base weight at 0 mm stroke [g]	75,0
Supplement moved mass per 10 mm stroke [g]	2
Fastening type	With Accessories
Pneumatic connection	M5
Material information	RoHs compliant
Cover material	Aluminium wrought alloy No-colour anodised
Seals material	NBR TPE-U(PU)
Piston rod material	High-alloyed stainless steels
Cylinder tube material	High-alloyed stainless steels
Theoretical force at 6 bar, flow [N]	67,9
Moving mass at 0 mm stroke [g]	18,5
Weight supplement per 10 mm stroke [g]	4,0