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NAFSA - CU SERIES

CU30/C
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- Pull / push design, with optional spring
- Class E winding (120ºC)
- For high cycle applications
- Up to 59N force
- Customer specific version available



PRODUCT DESCRIPTION

The CU series is simple linear solenoid where the stroke movement from start to final position is made by the electromagnetic forces.

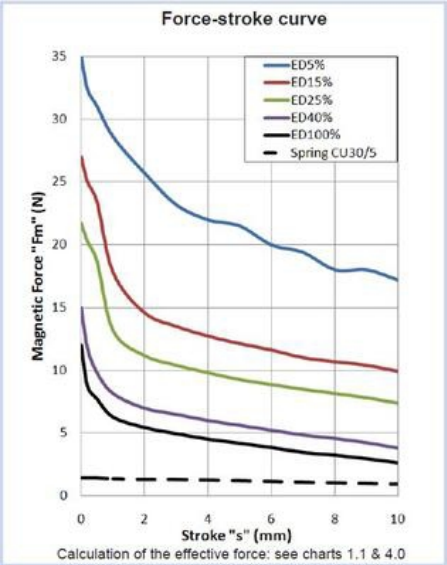
Return to start position is done by external forces or from a spring built into the solenoid.

They are purposely designed and manufactured for a high duty cycle.

TECHNICAL DATA

Absorbed power @ 20°C, 100% duty	72 W
Absorbed power @ 20°C, 15% duty	53 W
Absorbed power @ 20°C, 25% duty	30 W
Absorbed power @ 20°C, 40% duty	18 W
Absorbed power @ 20°C, 5% duty	150 W
Beginning of stroke force at 100% duty	26 N
Beginning of stroke force at 15% duty	99 N
Beginning of stroke force at 25% duty	73 N
Beginning of stroke force at 40% duty	38 N
Beginning of stroke force at 5% duty	172 N
End of stroke force at 100% duty	12 N
End of stroke force at 15% duty	27 N
End of stroke force at 25% duty	21 N
End of stroke force at 40% duty	15 N
End of stroke force at 5% duty	35 N
Function	push/pull

Insulation class	E (120ºC)
IP class	IP40
Spring return	Yes
Stroke	10 mm
Total weight	290 g
Voltage ac max	120 V
Voltage ac min	120 V
Voltage dc max	205 V
Voltage dc min	6 V
Voltage type	AC, DC



Calculation of the effective force: see charts 1.1 & 4.0

Duty-cycle ED%	Standard voltages									Under demand voltages			
	VDC							VAC		VDC		VAC	
	6	12	24	48	100	125	205	110	230	Min	Max	Min	Max
100%	o	o	o	o	o	o	o	o	x	3	250	24	125
40%	o	o	o	o	o	o	o	o	x	4	250	48	125
25%	o	o	o	o	o	o	o	o	x	5	250	110	125
15%	o	o	o	o	o	o	o	x	x	6	250	x	x
5%	x	o	o	o	o	o	o	x	x	12	250	x	x

Lay out: o = Available ; x = Unavailable

