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NAFSA - CU SERIES

CU40/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.

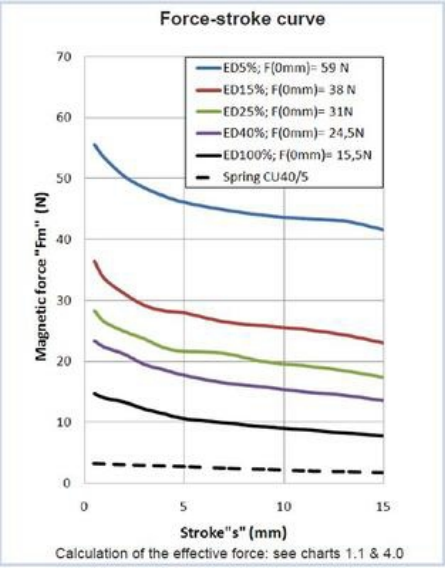
Return to start position is done by external forces or from a spring built into the solenoid.

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

TECHNICAL DATA

Absorbed power @ 20°C, 100% duty	13 W
Absorbed power @ 20°C, 15% duty	82 W
Absorbed power @ 20°C, 25% duty	48 W
Absorbed power @ 20°C, 40% duty	30 W
Absorbed power @ 20°C, 5% duty	247 W
Beginning of stroke force at 100% duty	78 N
Beginning of stroke force at 15% duty	23 N
Beginning of stroke force at 25% duty	17 N
Beginning of stroke force at 40% duty	135 N
Beginning of stroke force at 5% duty	41 N
End of stroke force at 100% duty	155 N
End of stroke force at 15% duty	38 N
End of stroke force at 25% duty	31 N
End of stroke force at 40% duty	245 N
End of stroke force at 5% duty	59 N
Function	push/pull

Insulation class	E (120ºC)
IP class	IP40
Spring return	Yes
Stroke	15 mm
Total weight	665 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



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	0	o	o	x	3	110	48	125
40%	x	o	o	o	o	o	o	o	x	3	175	48	125
25%	x	o	o	o	o	o	o	x	x	3	220	x	x
15%	x	o	o	o	o	o	o	x	x	4	250	x	x
5%	x	x	o	o	o	o	o	x	x	6	250	x	x

Lay out: o = Available ; x = Unavailable

