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NAFSA - CU SERIES

CU20/C
CU20/C

- 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.

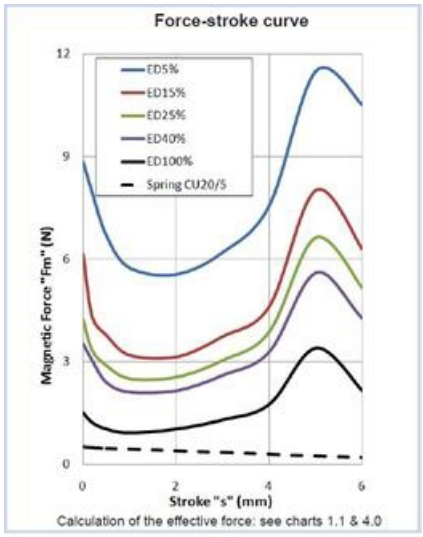
Return to start position is done by external forces or from a spring built into the solenoid.

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

TECHNICAL DATA

Absorbed power @ 20°C, 100% duty	4 W
Absorbed power @ 20°C, 15% duty	26 W
Absorbed power @ 20°C, 25% duty	16 W
Absorbed power @ 20°C, 40% duty	10 W
Absorbed power @ 20°C, 5% duty	80 W
Beginning of stroke force at 100% duty	9 N
Beginning of stroke force at 15% duty	31 N
Beginning of stroke force at 25% duty	25 N
Beginning of stroke force at 40% duty	21 N
Beginning of stroke force at 5% duty	55 N
End of stroke force at 100% duty	15 N
End of stroke force at 15% duty	6 N
End of stroke force at 25% duty	4 N
End of stroke force at 40% duty	35 N
End of stroke force at 5% duty	88 N
Function	push/pull

Insulation class	E (120ºC)
IP class	IP40
Spring return	Yes
Stroke	6 mm
Total weight	110 g
Voltage ac max	120 V
Voltage ac min	120 V
Voltage dc max	205 V
Voltage dc min	6 V
Voltage type	DC



Calculation of the effective force: see charts 1.1 & 4.0

Ordering code: *CU20/C --V ED---%*
Example:
Standard voltage:24Vdc Duty-cycle: ED100%: with spring :
Ref.: *CU20/C 24Vdc ED100% RS*
Standard voltage:12Vdc Duty-cycle: ED15%: without spring :
Ref.:*CU20/C 12Vdc ED15% RN*

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

Layout: o = Available ; x = Unavailable

