

**NAFSA - CU SERIES**

CU20/C

- Pull / push design, with optional spring
- Class E winding (120°C)
- 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.

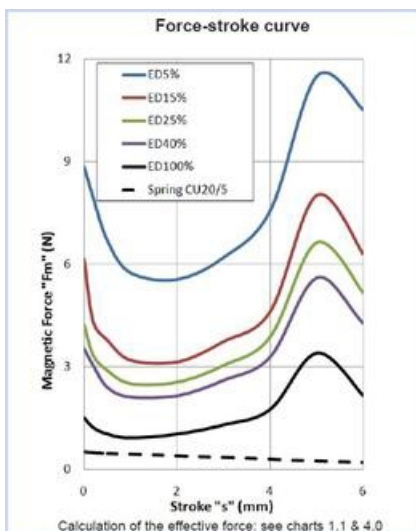
Return to start position is done by external forces or from a spring built into the solenoid.

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

**TECHNICAL DATA**

<b>Absorbed power @ 20°C, 100% duty</b>	4 W
<b>Absorbed power @ 20°C, 15% duty</b>	26 W
<b>Absorbed power @ 20°C, 25% duty</b>	16 W
<b>Absorbed power @ 20°C, 40% duty</b>	10 W
<b>Absorbed power @ 20°C, 5% duty</b>	80 W
<b>Beginning of stroke force at 100% duty</b>	0,9 N
<b>Beginning of stroke force at 15% duty</b>	3,1 N
<b>Beginning of stroke force at 25% duty</b>	2,5 N
<b>Beginning of stroke force at 40% duty</b>	2,1 N
<b>Beginning of stroke force at 5% duty</b>	5,5 N
<b>End of stroke force at 100% duty</b>	1,5 N
<b>End of stroke force at 15% duty</b>	6 N
<b>End of stroke force at 25% duty</b>	4 N
<b>End of stroke force at 40% duty</b>	3,5 N
<b>End of stroke force at 5% duty</b>	8,8 N

<b>Function</b>	push/pull
<b>Insulation class</b>	E (120°C)
<b>IP class</b>	IP40
<b>Spring return</b>	Yes
<b>Stroke</b>	6 mm
<b>Total weight</b>	110 g
<b>Voltage ac max</b>	120 V
<b>Voltage ac min</b>	120 V
<b>Voltage dc max</b>	205 V
<b>Voltage dc min</b>	6 V
<b>Voltage type</b>	DC



Ordering code: CU20/C --V ED---%  
 Example:  
 Standard voltage:24V/dc Duty-cycle: ED100%: with spring :  
 Ref.: CU20/C 24Vdc ED100% RS  
 Standard voltage:12V/dc 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	x	x	x	x	x	3	110	x	x
40%	o	o	o	o	o	x	x	x	x	3	175	x	x
25%	o	o	o	o	o	o	x	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

