

## NAFSA - CU SERIES

CU20/C  
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- 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.

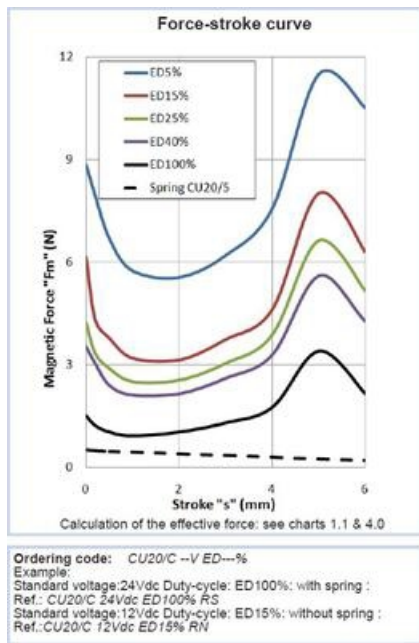
Return to start position is done by external forces or from a spring built into the solenoid.

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

### TECHNICAL DATA

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	0.9 N
Beginning of stroke force at 15% duty	3.1 N
Beginning of stroke force at 25% duty	2.5 N
Beginning of stroke force at 40% duty	2.1 N
Beginning of stroke force at 5% duty	5.5 N
End of stroke force at 100% duty	1.5 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	3.5 N
End of stroke force at 5% duty	8.8 N

Function	push/pull
Insulation class	E (120°C)
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



Duty-cycle	Standard voltages								Under demand voltages				
ED%	VDC							VAC	VDC I 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												

