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NAFSA - ERC SERIES

ERC60-10/C
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- Pull / push design, with optional spring
- Class B winding (130ºC)
- Duty cycle 0 to 100%
- Up to 191N force
- Customer specific version available

PRODUCT DESCRIPTION

The ERC series of electromagnets are a double acting push/pull solenoid.

When an electrical connection is made to to coil, the plunger moves through the magnetic field and pushes the shaft along its designated stroke.

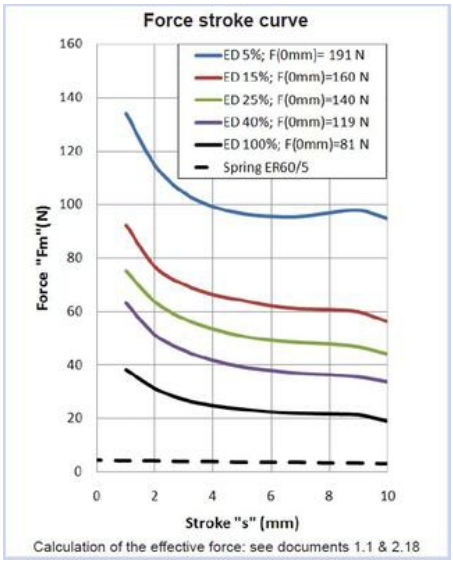
Upon removing the electrical connection, the shaft remains in position and is returned with reverse polarity or optional return spring.

Many different standard versions are available (please see catalogue PDF below) and application specific designs can be provided for larger volume requirements.

TECHNICAL DATA

Absorbed power @ 20°C, 100% duty	18 W
Absorbed power @ 20°C, 15% duty	110 W
Absorbed power @ 20°C, 25% duty	70 W
Absorbed power @ 20°C, 40% duty	45 W
Absorbed power @ 20°C, 5% duty	280 W
Beginning of stroke force at 100% duty	19 N
Beginning of stroke force at 15% duty	56 N
Beginning of stroke force at 25% duty	43 N
Beginning of stroke force at 40% duty	33 N
Beginning of stroke force at 5% duty	94 N
End of stroke force at 100% duty	81 N
End of stroke force at 15% duty	160 N

End of stroke force at 25% duty	140 N
End of stroke force at 40% duty	119 N
End of stroke force at 5% duty	191 N
Function	pull/push
Insulation class	B(130ºC)
IP class	IP00
Spring return	Yes
Stroke	10 mm
Total weight	660 g
Voltage ac max	230 V
Voltage ac min	110 V
Voltage dc max	205 V
Voltage dc min	6 V
Voltage type	AC, DC



Duty-cycle	Standard voltages								Under demand voltages			
ED%	VDC						VAC		VDC		VAC	
	6	12	24	48	100	125	205	110	230	Min	Max	Min	Max
100%	x	o	o	o	o	o	o	o	o	7	230	48	230
40%	x	o	o	o	o	o	o	x	o	11	230	125	230
25%	x	x	o	o	o	o	o	x	o	13	230	200	230
15%	x	x	o	o	o	o	o	x	x	16	230	x	x
5%	x	x	o	o	o	o	o	x	x	24	230	x	x

Layout: o = Available ; x = Unavailable

