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NAFSA - ER SERIES

ER60-20/C

- Single acting, spring or load return
- Up to class F winding (155°C)
- Duty cycle from 0 to 100%
- Up to 234N force
- Customer specific version available



PRODUCT DESCRIPTION

The ER series of electromagnets are a single acting 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.

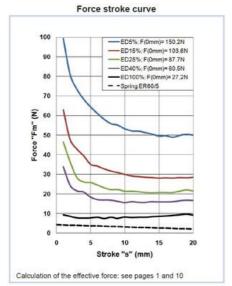
Upon removing the electrical connection, the shaft is retracted to its rest position using either a mechanical spring or the load applied.

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	9.2 N
Beginning of stroke force at 15% duty	28.5 N
Beginning of stroke force at 25% duty	21.5 N
Beginning of stroke force at 40% duty	16.7 N
Beginning of stroke force at 5% duty	50 N
End of stroke force at 100% duty	27 N
End of stroke force at 15% duty	103 N
End of stroke force at 25% duty	87 N
End of stroke force at 40% duty	60 N

End of stroke force at 5% duty	150 N
Function	pull/push
Insulation class	B (130°C)
IP class	IP00
Spring return	Yes
Stroke	20 mm
Total weight	650 g
Voltage ac max	230 V
Voltage ac min	110 V
Voltage dc max	205 V
Voltage dc min	6 V



Duty-cycle ED% 6 12	Standard voltages							Under demand						
		VDC -							VAC		voltage:		AC	
	12	24	48	100	125	205	110	230	Min	Max	Min	Max		
100%	x	0	0	0	0	0	0	0	0	7	230	48	230	
40%	Х	0	0	0	0	0	0	X	0	11	230	125	230	
25%	Х	Х	0	0	0	0	0	Х	0	13	230	200	230	
15%	X	х	0	0	0	0	0	X	х	16	230	×	х	
5%	×	X	0	0	0	0	0	х	×	24	230	x	X	
Layout:	0:	= Ava	ilable	: x = Unavailable										

