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NAFSA - ECR SERIES

ECR50-16

- Double coil for even force along travel
- Class B winding (130ºC)
- Push and pull with same force
- Up to 837N force
- Customer specific version available



PRODUCT DESCRIPTION

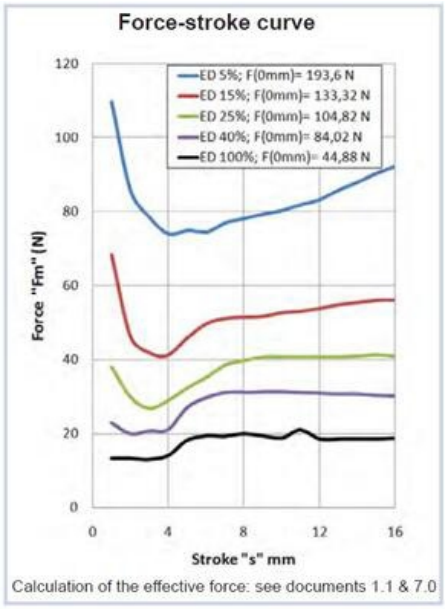
The ECR series is a twin coil reversible solenoid.

They are suited to applications that requires the same force in both directions.

TECHNICAL DATA

Absorbed power @ 20°C, 100% duty	20 W
Absorbed power @ 20°C, 15% duty	120 W
Absorbed power @ 20°C, 25% duty	70 W
Absorbed power @ 20°C, 40% duty	45 W
Absorbed power @ 20°C, 5% duty	320 W
Beginning of stroke force at 100% duty	187 N
Beginning of stroke force at 15% duty	56 N
Beginning of stroke force at 25% duty	41 N
Beginning of stroke force at 40% duty	30 N
Beginning of stroke force at 5% duty	92 N
End of stroke force at 100% duty	44 N
End of stroke force at 15% duty	133 N
End of stroke force at 25% duty	104 N
End of stroke force at 40% duty	84 N
End of stroke force at 5% duty	193 N
Function	push/pull
Insulation class	B(130ºC)

IP class	IP40
Spring return	No
Stroke	16 mm
Total weight	1400 g
Voltage dc max	205 V
Voltage dc min	6 V
Voltage type	DC



Calculation of the effective force: see documents 1.1 & 7.0

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	o	o	x	x	5	250	x	x
40%	x	o	o	o	o	o	o	x	x	9	250	x	x
25%	x	o	o	o	o	o	o	x	x	9	250	x	x
15%	x	o	o	o	o	o	o	x	x	12	250	x	x
5%	x	x	o	o	o	o	o	x	x	24	250	x	x

Lay out: o = Available ; x = Unavailable

