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NAFSA - ECM SERIES

ECM13-10/E

- Pull / push design, with optional spring
- Class B winding (130ºC)
- Round profile for panel mounting
- Up to 32N force
- Customer specific version available



PRODUCT DESCRIPTION

The ECM series is simple linear solenoid where the stroke movement from start to final position is made by the electromagnetic forces.

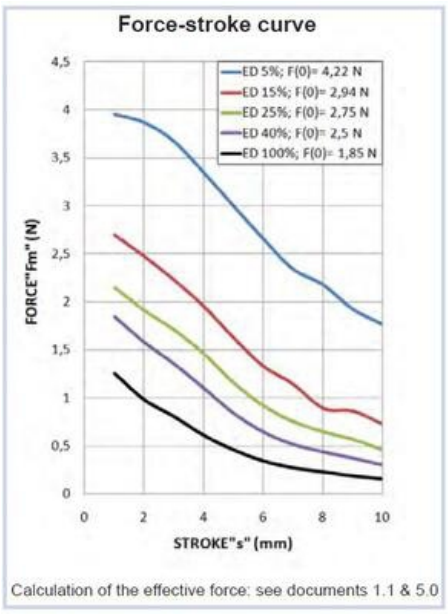
Return to start position is done by external forces or of a spring built into the solenoid.

The front end design is ideally suited to panel mounting.

TECHNICAL DATA

Absorbed power @ 20°C, 100% duty	36 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	15 N
Beginning of stroke force at 15% duty	7 N
Beginning of stroke force at 25% duty	4 N
Beginning of stroke force at 40% duty	3 N
Beginning of stroke force at 5% duty	17 N
End of stroke force at 100% duty	185 N
End of stroke force at 15% duty	294 N
End of stroke force at 25% duty	275 N
End of stroke force at 40% duty	25 N
End of stroke force at 5% duty	422 N
Function	push

Insulation class	B (130°C)
IP class	IP30
Stroke	10 mm
Total weight	40 g
Voltage dc max	205 V
Voltage dc min	6 V
Voltage type	DC



Calculation of the effective force: see documents 1.1 & 5.0

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	x	x	x	x	x	1.5	48	x	x
40%	o	o	o	o	o	o	x	x	x	3	125	x	x
25%	o	o	o	o	o	o	x	x	x	3	125	x	x
15%	o	o	o	o	o	o	o	x	x	5	205	x	x
5%	o	o	o	o	o	o	o	x	x	6	250	x	x

Layout: o = Available ; x = Unavailable

