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NAFSA - ECM SERIES

ECM13-03/E
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- 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.

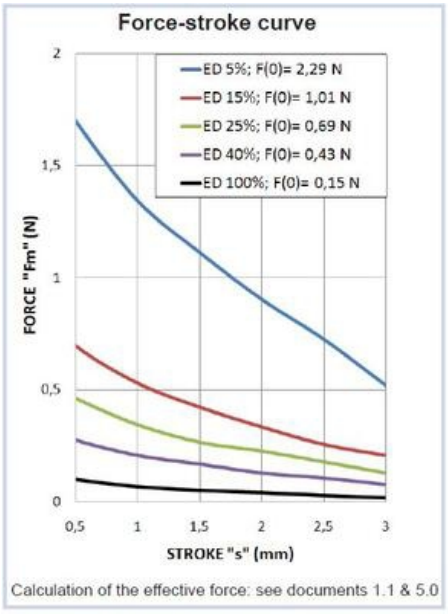
Return to start position is done by external forces or of a spring built into the solenoid.

The front end design is ideally suited to panel mounting.

TECHNICAL DATA

Absorbed power @ 20°C, 100% duty	1 W
Absorbed power @ 20°C, 15% duty	66 W
Absorbed power @ 20°C, 25% duty	4 W
Absorbed power @ 20°C, 40% duty	25 W
Absorbed power @ 20°C, 5% duty	20 W
Beginning of stroke force at 100% duty	2 N
Beginning of stroke force at 15% duty	2 N
Beginning of stroke force at 25% duty	12 N
Beginning of stroke force at 40% duty	8 N
Beginning of stroke force at 5% duty	5 N
End of stroke force at 100% duty	15 N
End of stroke force at 15% duty	1 N
End of stroke force at 25% duty	69 N
End of stroke force at 40% duty	43 N
End of stroke force at 5% duty	229 N
Function	push

Insulation class	B (130°C)
IP class	IP30
Stroke	3 mm
Total weight	25 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	x	x	x	x	x	x	1.5	24	x	x
40%	o	o	o	o	x	x	x	x	x	1.5	48	x	x
25%	o	o	o	o	x	x	x	x	x	1.5	48	x	x
15%	o	o	o	o	x	x	x	x	x	1.5	48	x	x
5%	o	o	o	o	o	x	x	x	x	3	110	x	x

Layout: o = Available ; x = Unavailable

