

## NAFSA - ECM SERIES

ECM25/T

- Pull / push design, with optional spring
- Class B winding (130°C)
- 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.

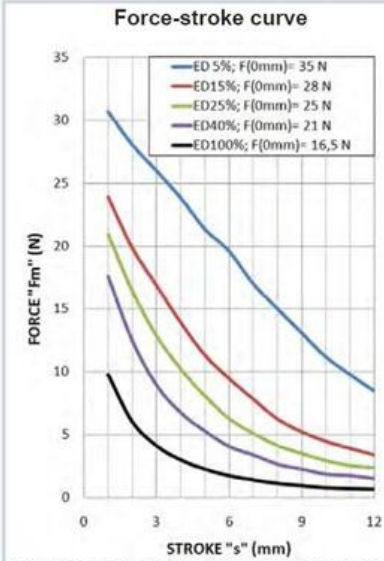
Return to start position is done by external forces or of a spring built into the solenoid.

The front end design is ideally suited to panel mounting.

### TECHNICAL DATA

Absorbed power @ 20°C, 100% duty	10 W
Absorbed power @ 20°C, 15% duty	65 W
Absorbed power @ 20°C, 25% duty	40 W
Absorbed power @ 20°C, 40% duty	25 W
Absorbed power @ 20°C, 5% duty	200 W
Beginning of stroke force at 100% duty	0.6 N
Beginning of stroke force at 15% duty	3.4 N
Beginning of stroke force at 25% duty	2.3 N
Beginning of stroke force at 40% duty	1.5 N
Beginning of stroke force at 5% duty	8.4 N
End of stroke force at 100% duty	10.5 N
End of stroke force at 15% duty	22.5 N
End of stroke force at 25% duty	19.5 N
End of stroke force at 40% duty	16.7 N
End of stroke force at 5% duty	32 N

Function	pull
Insulation class	B (130°C)
IP class	IP30
Stroke	12 mm
Total weight	190 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	
	6	12	24	48	100	125	205	110	230	Min	Max
100%	o	o	o	o	o	o	o	x	x	5	250
40%	o	o	o	o	o	o	o	x	x	6	250
25%	x	o	o	o	o	o	o	x	x	9	250
15%	x	o	o	o	o	o	o	x	x	9	250
5%	x	x	o	o	o	o	o	x	x	16	250

Layout: o = Available ; x = Unavailable

