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NAFSA - ECH SERIES

ECH50-16
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- Pull / push design, with optional spring
- Class B winding (130ºC)
- Duty cycle 0 to 100%
- Up to 2800N force
- Customer specific version available

PRODUCT DESCRIPTION

The ECH 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 from a spring built into the solenoid.

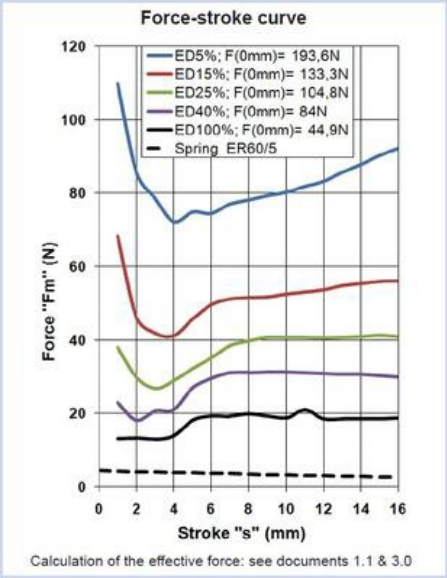
Featuring a plug in connector, the main body and electrical connector on the ECH series offers IP65 sealing.

The shaft mounting faces are IP40 and offer fixing locations with smooth surfaces for external sealing, depending on the applicaiton.

TECHNICAL DATA

Absorbed power @ 20°C, 100% duty	19 W
Absorbed power @ 20°C, 15% duty	120 W
Absorbed power @ 20°C, 25% duty	68 W
Absorbed power @ 20°C, 40% duty	45 W
Absorbed power @ 20°C, 5% duty	325 W
Beginning of stroke force at 100% duty	185 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 of solenoid body and connector	IP40
IP class of solenoid mounting face	IP65
Stroke	16 mm
Total weight	750 g
Voltage ac max	230 V
Voltage ac min	110 V
Voltage dc max	205 V
Voltage dc min	6 V
Voltage type	AC, DC



Duty-cycle	Standard voltages									Under demand voltages			
ED%	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	o	o	6	250	25	230
40%	x	o	o	o	o	o	o	o	o	10	250	59	230
25%	x	o	o	o	o	o	o	o	o	12	250	90	230
15%	x	x	o	o	o	o	o	x	o	16	250	156	230
5%	x	x	o	o	o	o	o	x	x	24	250	x	x

Layout: o = Available ; x = Unavailable

