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NAFSA - ECH SERIES

ECH90-25
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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.

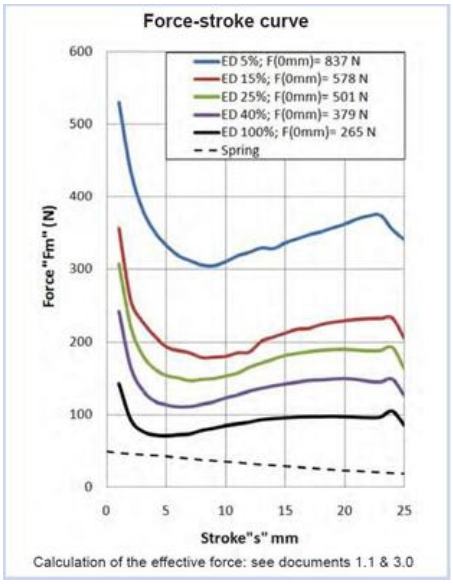
Featuring a plug in connector, the main body and electrical connector on the ECH series offers IP65 sealing.

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	55 W
Absorbed power @ 20°C, 15% duty	300 W
Absorbed power @ 20°C, 25% duty	190 W
Absorbed power @ 20°C, 40% duty	125 W
Absorbed power @ 20°C, 5% duty	900 W
Beginning of stroke force at 100% duty	85 N
Beginning of stroke force at 15% duty	205 N
Beginning of stroke force at 25% duty	163 N
Beginning of stroke force at 40% duty	126 N
Beginning of stroke force at 5% duty	341 N
End of stroke force at 100% duty	265 N
End of stroke force at 15% duty	578 N
End of stroke force at 25% duty	501 N
End of stroke force at 40% duty	379 N
End of stroke force at 5% duty	837 N

Function	push/pull
Insulation class	B(130ºC)
IP class of solenoid body and connector	IP40
IP class of solenoid mounting face	IP65
Stroke	25 mm
Total weight	5200 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%	x	o	o	o	o	o	o	o	o	12	250	28	230
40%	x	x	o	o	o	o	o	o	o	18	250	60	230
25%	x	x	o	o	o	o	o	o	o	22	250	95	230
15%	x	x	o	o	o	o	o	x	o	24	250	150	230
5%	x	x	o	o	o	o	o	x	x	24	250	x	x

Layout: o = Available ; x = Unavailable

