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NAFSA - ECH SERIES

ECH150-40
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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.

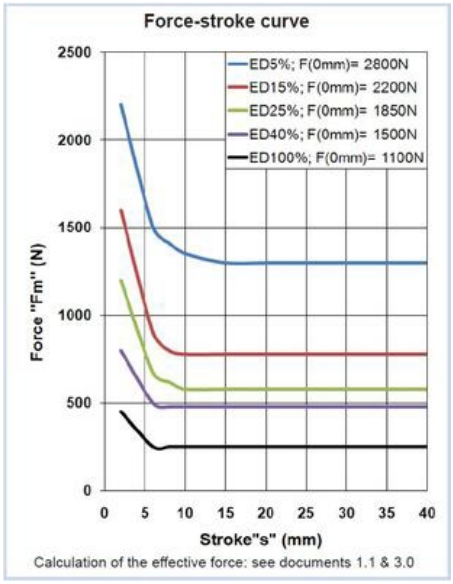
Featuring a plug in connector, the main body and electrical connector on the ECH series offers IP65 sealing.

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	120 W
Absorbed power @ 20°C, 15% duty	750 W
Absorbed power @ 20°C, 25% duty	460 W
Absorbed power @ 20°C, 40% duty	290 W
Absorbed power @ 20°C, 5% duty	2200 W
Beginning of stroke force at 100% duty	250 N
Beginning of stroke force at 15% duty	780 N
Beginning of stroke force at 25% duty	580 N
Beginning of stroke force at 40% duty	480 N
Beginning of stroke force at 5% duty	1300 N
End of stroke force at 100% duty	1100 N
End of stroke force at 15% duty	2200 N
End of stroke force at 25% duty	1850 N
End of stroke force at 40% duty	1500 N
End of stroke force at 5% duty	2800 N

Function	push/pull
Insulation class	B(130ºC)
IP class of solenoid body and connector	IP40
IP class of solenoid mounting face	IP65
Stroke	40 mm
Total weight	21000 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	x	o	o	o	o	o	o	o	20	250	72	230
40%	x	x	x	o	o	o	o	x	o	29	250	175	230
25%	x	x	x	o	o	o	o	x	o	36	250	230	230
15%	x	x	x	o	o	o	o	x	x	46	250	x	x
5%	x	x	x	x	o	o	o	x	x	80	250	x	x

Layout: o = Available ; x = Unavailable

