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NAFSA - ECH SERIES

ECH75-20
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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.

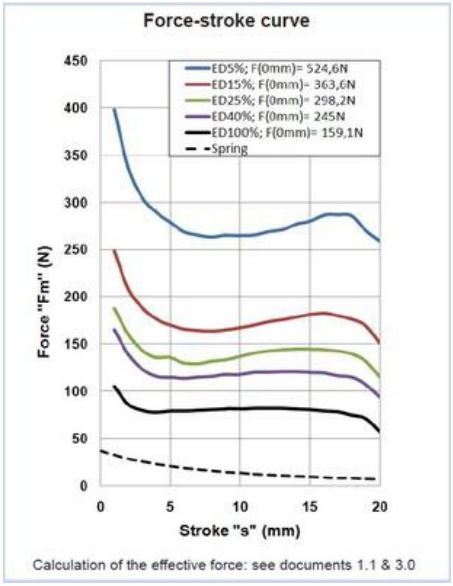
Featuring a plug in connector, the main body and electrical connector on the ECH series offers IP65 sealing.

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	48 W
Absorbed power @ 20°C, 15% duty	265 W
Absorbed power @ 20°C, 25% duty	165 W
Absorbed power @ 20°C, 40% duty	110 W
Absorbed power @ 20°C, 5% duty	755 W
Beginning of stroke force at 100% duty	57 N
Beginning of stroke force at 15% duty	150 N
Beginning of stroke force at 25% duty	114 N
Beginning of stroke force at 40% duty	93 N
Beginning of stroke force at 5% duty	258 N
End of stroke force at 100% duty	159 N
End of stroke force at 15% duty	363 N
End of stroke force at 25% duty	298 N
End of stroke force at 40% duty	245 N
End of stroke force at 5% duty	524 N

Function	push/pull
Insulation class	B(130ºC)
IP class of solenoid body and connector	IP40
IP class of solenoid mounting face	IP65
Stroke	20 mm
Total weight	3000 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	30	230
40%	x	x	o	o	o	o	o	o	o	17	250	70	230
25%	x	x	o	o	o	o	o	o	o	21	250	105	230
15%	x	x	o	o	o	o	o	x	o	24	250	170	230
5%	x	x	x	o	o	o	o	x	x	37	250	x	x

Layout: o = Available ; x = Unavailable

