

ECH 65-15 TYPE



Protection rate: IP40 Insulation class: B (130°C) Reference cycle: 3 minutés Standard stroke (s): 15 mm Temperature rise "ΔV31": 70°C Working temperature: -10 to 45°C Work: **Push / Pull**

(ED) Duty-cycle ED(%)	100	40	25	15	5	
(P20) Power at 20°C (W)	30	75	110	185	545	
(Fm) Solenoid force (N) 1)	38	64	80	99	162	
Max time under voltage(s)	Inf	72	45	27	9	
Opening time (ms) 2)	291	228	198	196	181	
Release time (ms) 3)	181	143	125	124	115	
Plunger weight (Kg)	0.190					
Solenoid weight (Kg)	1.7					

With spring:

ECH65-15/RS

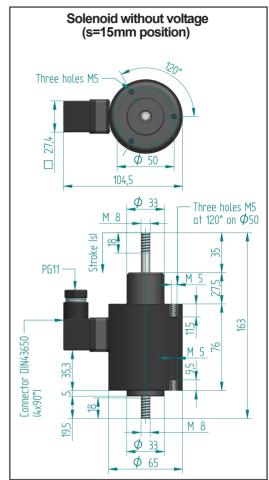
Optional spring force: Fs(s=0mm) = 21.7N

Fs(s=15mm) = 5.4N

Release spring NOT

product.

incorporated in standard



1) Fm Solenoid force is given acording to VDE0580 without deducting the spring force or the plunger weight if vertical mounting.

2) Time is given on these conditions: Coil supplied under nominal voltage ; Stabilized in it's working temperature ; Load 70% of the solenoid force ; Horizontal assembly ; Standard stroke initial position; 20°C ambient temperature.

3) Time is given on these conditions: without load on shaft ; Horizontal assembly ; Standard stroke initial position.

Duty-cycle	Standard voltages							Under demand					
	VDC						VAC		VDC		VAC		
ED%	6	12	24	48	100	125	205	110	230	Min	Max	Min	Max
100	Х	0	0	0	0	0	0	0	0	8	250	39	230
40	Х	0	0	0	0	0	0	0	0	12	250	98	230
25	Х	х	0	0	0	0	0	Х	0	15	250	143	230
15	Х	Х	0	0	0	0	0	Х	0	19	250	185	230
5	х	х	0	0	0	0	0	х	Х	24	250	х	х
Layout:	o =	Avai	lable	:	x = U	Inavai	lable						

Layout: o = Available ;

- Voltage under demand: They can be manufactured at voltages between the maximum and minimum voltage values shown in the chart

- To feed in alterning current the solenoid will have a rectifier incorporated in the connector.

- The duty cycles described in the chart are standard, they can be manufactured in any intermediate value.

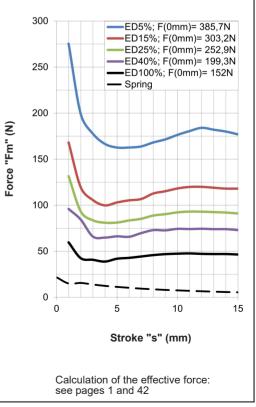
- If any customization from the original is needed, please ask us.

- Earthing is recommended if the metallic parts are accessible.

Ordering code:	ECH65-15V ED% - Spring				
	Voltage: 24Vdc; Duty cycle: ED100%; With spring: ECH65-15 24Vdc ED100% RS				
	Voltage: 48Vdc; Duty cycle: ED15%; Without spring: ECH65-15 48Vdc ED15% RN				

Spring yes: RS ; Spring no: RN

Force-stroke curve



For fixation and mounting positions: see page 42