

ECM 19/E TYPE



Protection rate: IP30 Insulation class: B (130°C) Reference cycle: 2 minutés Standard stroke (s): 10 mm Temperature rise "∆V31": 70°C Working temperature: -10 to 45°C

Release spring NOT incorporated in standard product. Available under demand.

Work: **Push**

(ED) Duty-cycle ED(%)	100	40	25	15	5			
(P20) Power at 20°C (W)	7	17	28	45	140			
(Fm) Solenoid force (N) 1)	0.5	1.2	2	3.2	6.6			
Max time under voltage(s)	Inf	48	30	18	6			
Opening time (ms) 2)	44	40	38	37	34			
Release time (ms) 3)	39	39	38	38	36			
Plunger weight (Kg)	0.020							
Solenoid weight (Kg)	0.080							

- 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					
ED 0/	VDC					VAC		VDC		VAC			
ED%	6	12	24	48	100	125	205	110	230	Min	Max	Min	Max
100	0	0	0	0	0	0	Х	Х	Х	3	125	Х	Х
40	0	0	0	0	0	0	0	Х	Х	3	230	Х	Х
25	0	0	0	0	0	0	0	Х	Х	5	250	Х	Х
15	0	0	0	0	0	0	0	Х	Х	5	250	Х	Х
5	Х	0	0	0	0	0	0	Х	Х	9	250	Х	Х

Layout: o = Available ; x = Unavailable

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

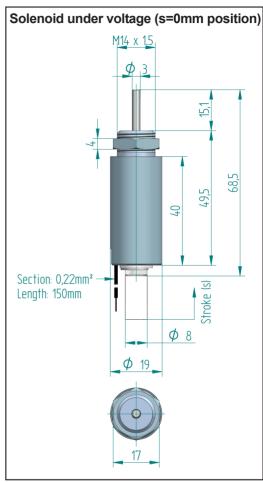
ECM19/E --V ED---% - Spring

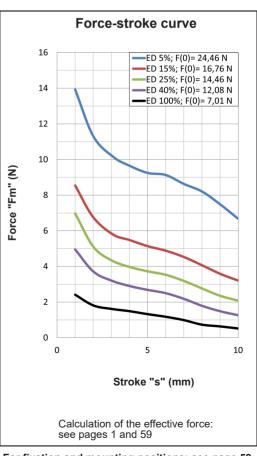
Voltage: 24Vdc; Duty cycle: ED100%: With spring: ECM19/E 24Vdc ED100% RS

Voltage: 12Vdc; Duty cycle: ED15%: Without spring:

ECM19/E 12Vdc ED15% RN

Spring yes: RS ; Spring no: RN





For fixation and mounting positions: see page 59