

ECM 13-10/E TYPE



Protection rate: IP30
Insulation class: B (130°C)
Reference cycle: 2 minutes
Standard stroke (s): 10 mm
Temperature rise "ΔV31": 70°C
Working temperature: -10 to 45°C

rking temperature: -10 to 45°C prod

Work: **Push**

Release spring NOT incorporated in standard product.

(ED) Duty-cycle ED(%)	100	40	25	15	5			
(P20) Power at 20°C (W)	3.3	10	16	26	80			
(Fm) Solenoid force (N) 1)	0.15	0.3	0.4	0.7	1.7			
Max time under voltage(s)	Inf	48	30	18	6			
Opening time (ms) 2)	40	34	32	29	27			
Release time (ms) 3)	29	28	27	26	26			
Plunger weight (Kg)	0.010							
Solenoid weight (Kg)	0.040							

- 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					
50 0/	VDC					VAC		VDC		VAC			
ED%	6	12	24	48	100	125	205	110	230	Min	Max	Min	Max
100	0	0	0	0	Х	Х	Х	Х	Х	1.5	48	Х	Х
40	0	0	0	0	0	0	Х	Х	Х	3	125	Х	Х
25	0	0	0	0	0	0	Χ	Х	Χ	3	125	Х	Х
15	0	0	0	0	0	0	0	Х	Χ	5	205	Х	Х
5	0	0	0	0	0	0	0	Х	Х	6	250	Х	Х

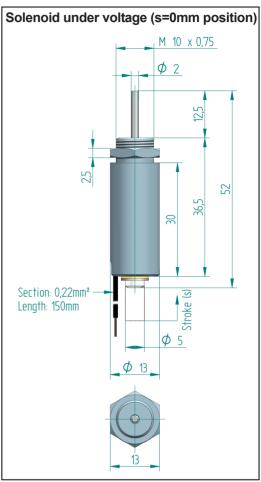
Layout: o = Available ; x = Unavailable

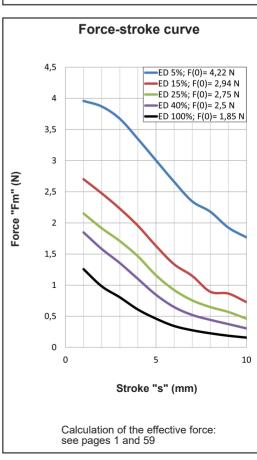
- Voltage under demand:
- They can be manufactured at voltages between the maximum and minimum voltage values shown in the chart.
- The duty cycles described in the chart are standard, they can be manufactured in any intermediate value.
- If any customization from the original is needed, please ask us.
- Earthing is recommended if the metallic parts are accessible.

Ordering code: ECM13-10/E --V ED---%

Voltage: 24Vdc; Duty cycle: ED100%: *ECM13-10/E 24Vdc ED100%*

Voltage: 12Vdc; Duty cycle: ED15%: ECM13-10/E 12Vdc ED15%





For fixation and mounting positions: see page 59