

## • ER 50-15/CT TYPE



Protection rate: IP00
Insulation class: B (130°C)
Reference cycle: 3 minutes
Standard stroke (s): 15 mm
Temperature rise "ΔV<sub>31</sub>": 70°C
Working temperature: -10 to 45°C

Work: **Push** / Pull



Release spring will be incorporated by defect

Standard spring force: Fs(s=0mm) = 3.5N Fs(s=15mm) = 1.6N

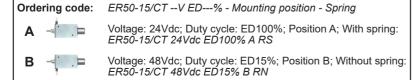
(ED) Duty-cycle ED(%)	100	40	25	15	5			
(P20) Power at 20°C (W)	14	35	56	93	280			
(Fm) Solenoid force (N) 1)	6.7	13	16	23	37			
Max time under voltage(s)	Inf	72	45	27	9			
Opening time (ms) 2)	127	96	81	81	80			
Release time (ms) 3)	82	62	53	53	53			
Plunger weight (Kg)	0.085							
Solenoid weight (Kg)	0.380							

- 1) Fm Solenoid force is given according 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: Standard spring; without load on shaft; Horizontal assembly; Standard stroke initial position.

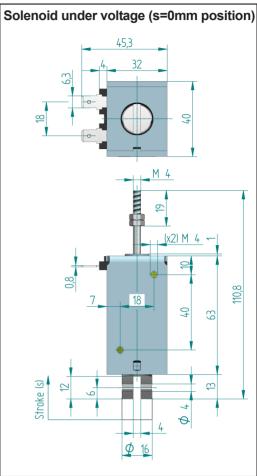
Duty-cycle	Standard voltages								Under demand				
·	VDC						VAC		VDC		VAC		
ED%	6	12	24	48	100	125	205	110	230	Min	Max	Min	Max
100	0	0	0	0	0	0	0	0	0	6	230	41	230
40	Х	0	0	0	0	0	0	0	0	9	230	100	230
25	Х	0	0	0	0	0	0	Х	0	11	230	160	230
15	Х	Х	0	0	0	0	0	Х	0	15	230	230	230
5	Х	Х	0	0	0	0	0	Х	Х	24	230	Х	Х

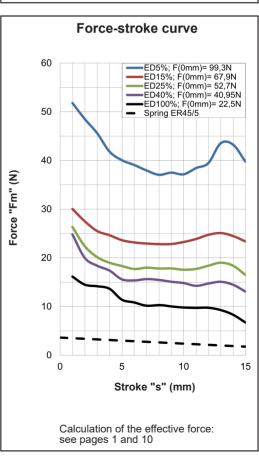
Layout: o = Available ; x = Unavailable

- Voltage under demand:
- They can be manufactured at voltages between the maximum and minimum voltage values shown in the chart.
- To feed in alterning current the solenoid will have a rectifier incorporated in the coil.
- 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.



Spring yes: RS ; Spring no: RN





For fixation and mounting positions: see page 10