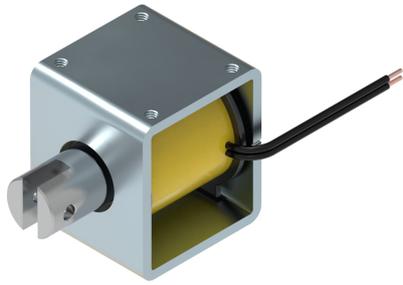


● ER 40/CT TYPE

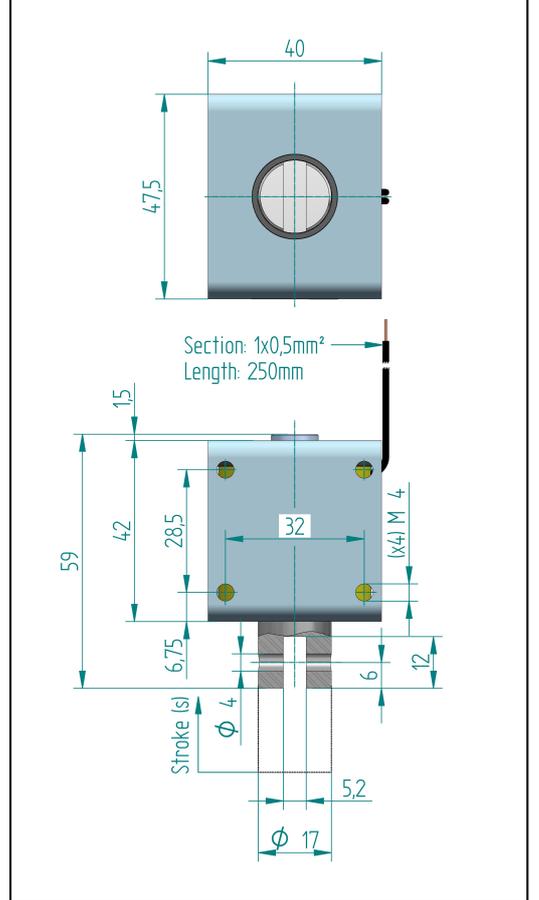


Protection rate: **IP00**
 Insulation class: **B (130°C)**
 Reference cycle: **3 minutes**
 Standard stroke (s): **15 mm**
 Temperature rise "ΔV₃₁": **70°C**
 Working temperature: **-10 to 45°C**
 Work: **Pull**

Release spring NOT
 incorporated on standard
 product

(ED) Duty-cycle ED(%)	100	40	25	15	5
(P20) Power at 20°C (W)	13	27	44	76	218
(Fm) Solenoid force (N) 1)	2.9	6.5	13	16.5	43
Max time under voltage(s)	Inf	72	45	27	9
Opening time (ms) 2)	156	117	109	106	101
Release time (ms) 3)	103	81	76	75	72
Plunger weight (Kg)	0.065				
Solenoid weight (Kg)	0.368				

Solenoid under voltage (s=0mm position)



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: without load on shaft ; Horizontal assembly ; Standard stroke initial position.

Duty-cycle ED%	Standard voltages								Under demand				
	VDC								VDC		VAC		
	6	12	24	48	100	125	205	110	230	Min	Max	Min	Max
100	o	o	o	o	o	o	o	o	o	6	230	31	230
40	x	o	o	o	o	o	o	o	o	8	230	64	230
25	x	o	o	o	o	o	o	o	o	9	230	104	230
15	x	o	o	o	o	o	o	x	o	11	230	180	230
5	x	x	o	o	o	o	o	x	x	24	230	x	x

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 alternating 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.

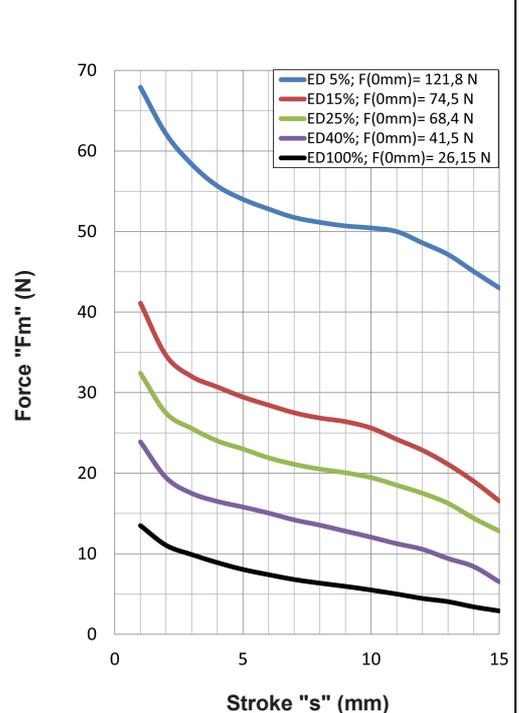
- Earthing is recommended if the metallic parts are accessible.

Ordering code: ER40/CT --V ED---%

A Voltage: 24Vdc; Duty cycle: ED100%:
ER40/CT 24Vdc ED100%

B Voltage: 48Vdc; Duty cycle: ED15%:
ER40/CT 48Vdc ED15%

Force-stroke curve



Calculation of the effective force:
see pages 1 and 10

For fixation and mounting positions: see page 10