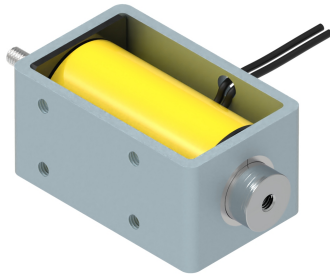
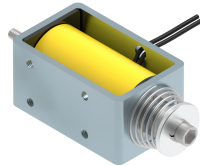


● **ERC 25-04/CC TYPE**



Outer spring version:  
● **ERC25-04/CC RS**



$F_s(s=0\text{mm}) = 3.6 \text{ N}$   
 $F_s(s=4\text{mm}) = 2 \text{ N}$

Inner spring version:  
● **ERC25-04/CC RSI**

Standard spring force:  
 $F_s(s=0\text{mm}) = 0.85 \text{ N}$   
 $F_s(s=4\text{mm}) = 0.55 \text{ N}$

Protection rate: **IP00**  
Insulation class: **B (130°C)**  
Reference cycle: **3 minutes**  
Standard stroke (s): **4 mm**  
Temperature rise " $\Delta V_{31}$ ": **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)	6.3	15	25	40	123
(Fm) Solenoid force (N) 1)	4.3	8.2	10.6	14	23
Max time under voltage(s)	Inf	72	45	27	9
Opening time (ms) 2)	43	35	33	30	28
Release time (ms) 3)	25	20	19	17	16
Plunger weight (Kg)	0.020				
Solenoid weight (Kg)	0.110				

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	3	200	24	230
40	o	o	o	o	o	o	o	o	o	3	230	50	230
25	o	o	o	o	o	o	o	o	o	3	230	75	230
15	o	o	o	o	o	o	o	o	o	3	230	125	230
5	x	o	o	o	o	o	o	o	o	9	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.

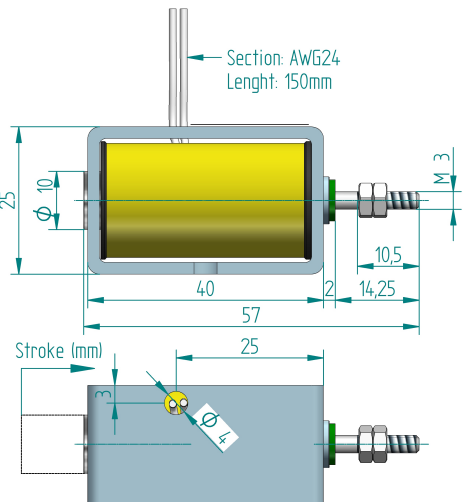
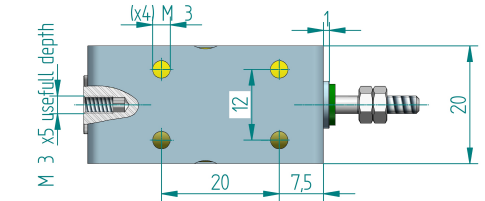
- Earthing is recommended if the metallic parts are accessible.

**Ordering code:** ERC25-04/CC --V ED---% - Spring

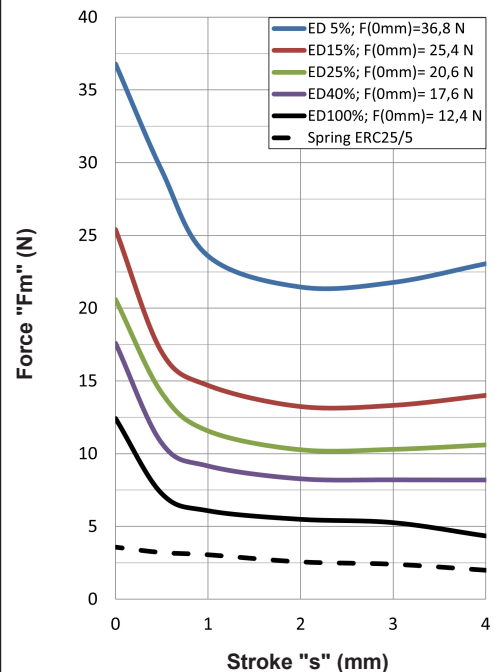
Voltage: 24Vdc; Duty cycle: ED100%; With spring:  
ERC25-04/CC 24Vdc ED100% RS or ERC25-04/CC 24VDC ED100% RSI

Voltage: 48Vdc; Duty cycle: ED15%; Without spring:  
ERC25-04/CC 48Vdc ED15% RN

**Solenoid under voltage (s=0mm position)**



**Force-stroke curve**



Calculation of the effective force:  
see pages 1 and 31

Outer spring yes: RS ; Inner spring yes: RSI ; Spring no: RN

For fixation and mounting positions: see page 31