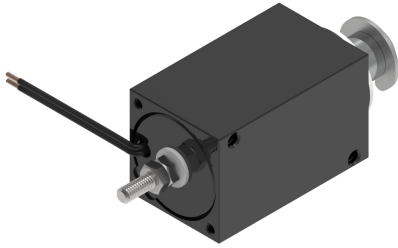


● **CU 30/C TYPE**



Protection rate: **IP40**
 Insulation class: **B (130°C)**
 Reference cycle: **3 minutes**
 Standard stroke (s): **10 mm**
 Temperature rise "ΔV₃₁": **70°C**
 Working temperature: **-10 to 45°C**
 Work: **Push / Pull**

Release spring will be incorporated by defect
 Standard spring force:
 F_s(s=0mm) = 1.44N
 F_s(s=10mm) = 0.95N

(ED) Duty-cycle ED(%)	100	40	25	15	5
(P20) Power at 20°C (W)	7.2	18	30	53	150
(Fm) Solenoid force (N) 1)	2.6	3.8	7.3	9.9	17.2
Max time under voltage(s)	Inf	72	45	27	9
Opening time (ms) 2)	61	53	42	42	41
Release time (ms) 3)	44	39	33	33	32
Plunger weight (Kg)	0.040				
Solenoid weight (Kg)	0.290				

1) F_m 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 ED%	Standard voltages								Under demand				
	VDC				VAC				VDC		VAC		
	6	12	24	48	100	125	205	110	230	Min	Max	Min	Max
100	o	o	o	o	o	o	o	o	x	3	250	24	125
40	o	o	o	o	o	o	o	o	x	4	250	48	125
25	o	o	o	o	o	o	o	o	x	5	250	110	125
15	o	o	o	o	o	o	o	x	x	6	250	x	x
5	x	o	o	o	o	o	o	x	x	12	250	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 an external rectifier.

- The duty cycles described in the chart are standard, they can be manufactured in any intermediate value.

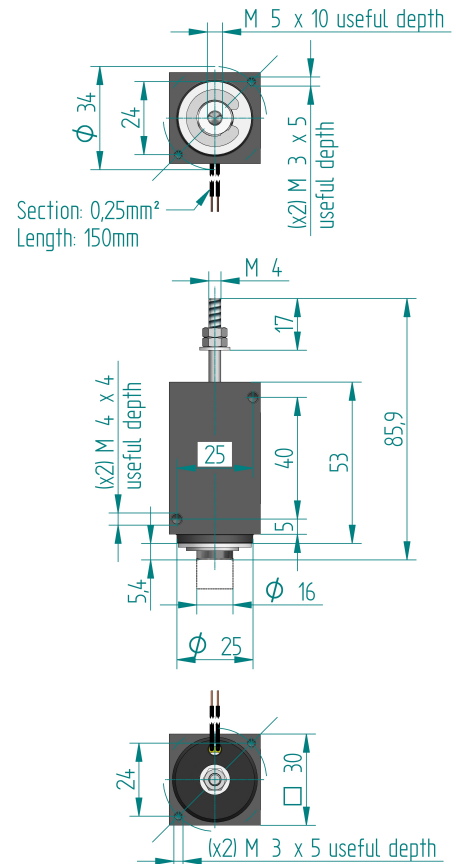
- If any customization from the original is needed, please ask us.

- Earthing is recommended if the metallic parts are accessible.

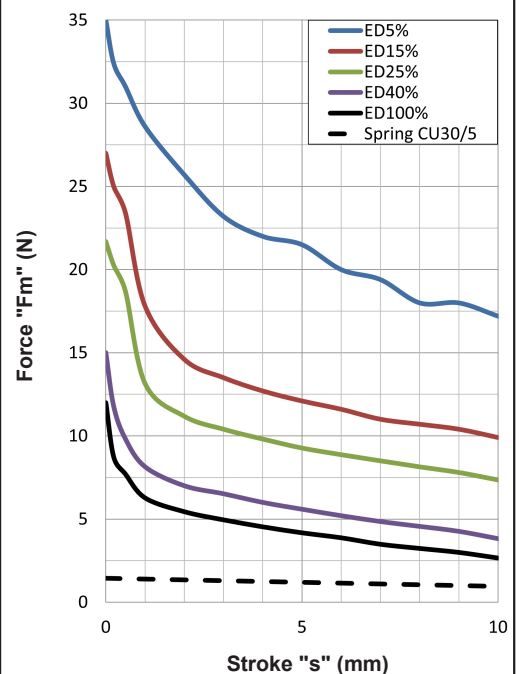
Ordering code: CU30/C --V ED---% - Spring
 Voltage: 24Vdc; Duty cycle: ED100%; With spring:
 CU30/C 24Vdc ED100% RS
 Voltage: 12Vdc; Duty cycle: ED15%; Without spring:
 CU30/C 12Vdc ED15% RN

Spring yes: **RS** ; Spring no: **RN**

Solenoid under voltage (s=0mm position)



Force-stroke curve



Calculation of the effective force: see pages 1 and 52

For fixation and mounting positions: see page 52