

TECHNICAL DATA

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: Push / Pull

Release spring will be incorporated by defect
 Standard spring force:
 Fs(s=0mm) = 3.6N
 Fs(s=5mm) = 1.7N

(ED) Duty-cycle ED(%)	100	40	25	15	5
(P20) Power at 20°C (W)	12	30	48	80	240
(Fm) Solenoid force (N) 1)	3.3	7.3	10	15.5	27
Max time under voltage(s)	Inf	72	45	27	9
Opening time (ms) 2)	111	87	83	81	81
Release time (ms) 3)	68	54	53	51	51
Plunger weight (Kg)	0.059				
Solenoid weight (Kg)	0.285				

- 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 its 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	o	5	230	34	230
40	x	o	o	o	o	o	o	o	o	7	230	86	230
25	x	o	o	o	o	o	o	x	o	9	230	136	230
15	x	o	o	o	o	o	o	x	o	11	230	230	230
5	x	x	o	o	o	o	o	x	x	16	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

COI1326/

802 = 48Vdc, duty cycle 5%, s=15mm, 477W, F=5.8 Kp
 803 = 110/230Vdc/ca, duty cycle 5%, s=5mm, 413W, F=32N

Prep. Dis. G. FORLANI	ELECTRONSYSTEM MD S.r.l.			
App. P. GUIZZETTI				
First issue: 17.11.2023	Resp. Dep. Off. Resp. Technical Dept.	Title Titolo COIL ER45	Scale Scala 1:1	
NOTE :	Doc. No. N° Doc. 43931326	Apparatus Apparecchio		
			Sh. No. Pag. 2	