

Electromechanical Display Counter Type EMCT



EMCT

- 7/6 digit micro adding counter
- Low cost
- High shock resistance
- Low power consumption; suitable for battery operation
- Small dimensions
- Magnified large figures
- Different mounting solutions
- Flush mount with integrated spring clip (snap in)
- PCB-mount versions
- Solderable and wash proof
- Protection to IP 65
- Stores value also at power failure
- Long service life (50 x 10⁶ impulses)

Product Description

Charge counting, KWh registration alarm systems, compact units, copiers, fuel dispensers, medical equipment, miniature pumps, dosing machines, gates, general event counting.

Ordering Key

EMCT 46 200 013

Type _____
 Number of digits _____
 Housing type _____
 Supply Voltage _____

Stock items: EMCT46200013
 EMCT46800013
 EMCT47200013

Approvals



Housing Type

200 (fig.1)	Panel flush mount, flying leads
800 (fig.2)	PCB mount, rear soldering terminals
900 (fig.3)	Horizontal PCB mount, bottom terminals
910 (fig.4)	Horizontal PCB mount, top terminals
940 (fig.5)	Horizontal PCB mount, bottom terminals
950 (fig.6)	Horizontal PCB mount, bottom terminals

Number of Digits

46	6 digits
47	7 digits

Input Type

002	1.5VDC
006	3.0VDC
008	4.5VDC
009	5.0VDC
010	6.0VDC
012	12.0VDC
013	24.0VDC

General Data

Dimensions of digits 6 digits HxL 7 digits HxL	4x1.7mm/0.16x0.07" 4x1.25mm/0.16x0.05"
Viewing angle	Frontal
Colour of digit figures	White on Black
Power consumption	up to 12VDC: approx. 70mW @ 24VDC: approx. 150mW
Mounting position	horizontal number viewing
Operating life	> 50 x 10 ⁶ pulses
Ambient temperature	-10...+60°C/14°F...140°F
Soldering temperature	Max. 265°C/509°F, max. 3sec.
Solderable and washable	Housing type 800, 900, 910, 940, 950
Degree of protection	IP 65 Frontal (only housing type 200)
Housing colour	Clear plastic
Weight	12...14g/0.42...0.49oz

Measuring Specifications

Counting Frequency	Max. 10imp/s
Pulse duration	Min. 50ms
Pulse interval	Min. 50ms
Cycle duration factor	100%
Counting system	adding
Reset time	No

Dimensions mm/inches

Fig.1

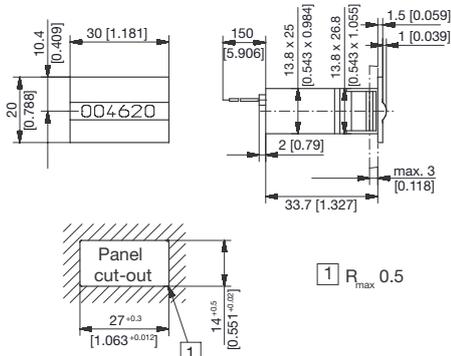


Fig.2

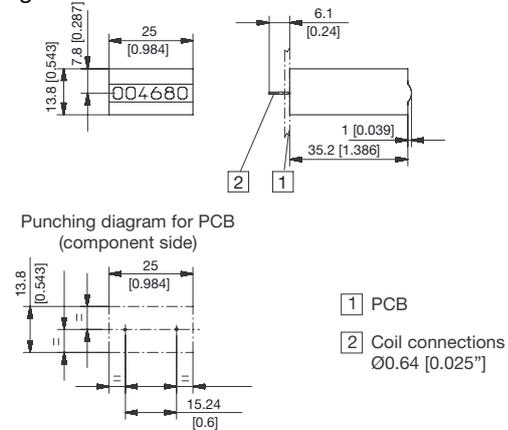


Fig.3

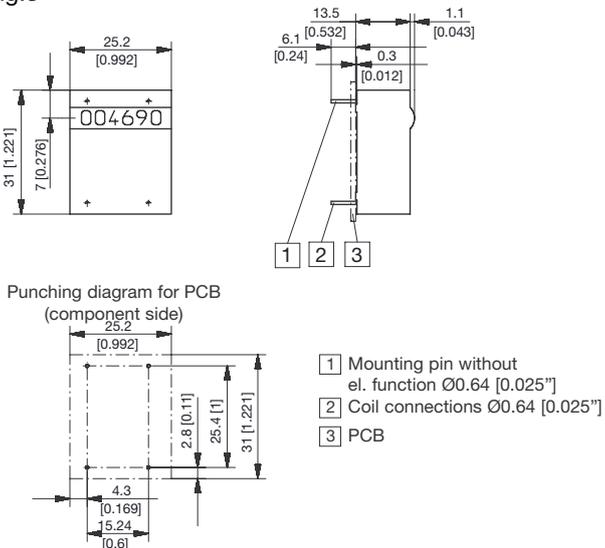


Fig.4

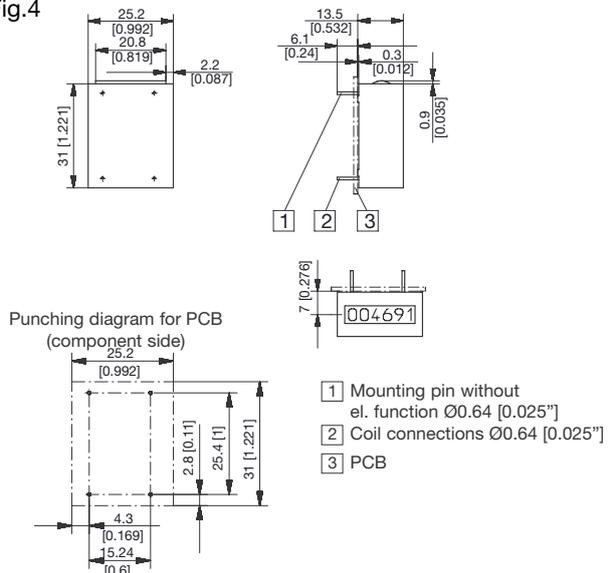


Fig.5

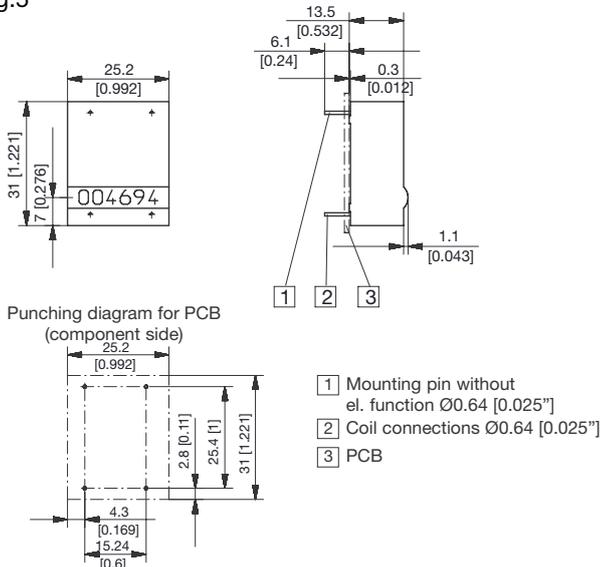


Fig.6

