



## EC96 60A

EC96 60A, Ammeter

Code: M1023A.

- > Scale: 90°, P2
- > Accuracy: 1,5
- > Measurement Range (A): 60
- > Modules: 96x96

### Description

- No need for auxiliary power supply, only the CEC 96 type.
- DIN boxes with dimensions: 48, 72, 96 and 144.
- Measurement in true root mean square 100 mA . 100 A
- Exchangeable scales for EC48, EC72, EC96, EM 45, EC 72 FA, EC 96 FA
- The alarm system can be fully configured for CEC 96

### Application

In alternating current applications, to control the state of the current quickly and visually.



# EC96 60A

Moving Iron Miliammeters and Ammeter

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## Specifications

### Mechanical characteristics

|                                  |                     |
|----------------------------------|---------------------|
| Size (mm) width x height x depth | 96 x 96 x 49.2 (mm) |
| Fastening                        | Panel               |
| Weight (kg)                      | 0,22                |

### Environmental characteristics

|                       |                                         |
|-----------------------|-----------------------------------------|
| Protection class      | Panel: IP 52 (Front), IP 00 (Terminals) |
| Storage temperature   | -25...+40 °C                            |
| Operating temperature | +10 ... +30 °C                          |

### Standards

|                                       |                                                            |
|---------------------------------------|------------------------------------------------------------|
| Certifications                        | CE                                                         |
| Electrical safety, Maximum height (m) | 2000                                                       |
| Standards                             | BS 89, UNE-EN 60051, IEC 144, DIN 43780, IEC 51, UNE 21318 |

### Current measurement circuit

|                    |                                                                        |
|--------------------|------------------------------------------------------------------------|
| Consumption        | 0,3 ... 1,5 VA                                                         |
| Sampling frequency | 20...100 Hz                                                            |
| Allowable overload | 1,2 In permanent / 5 In during 30s / 10 In during 5s / 40 In during 1s |

### Electrical characteristics

|                             |                                           |
|-----------------------------|-------------------------------------------|
| Insulation voltage, circuit | 2 KV, 50 HZ <1 min entre mecanismo y caja |
|-----------------------------|-------------------------------------------|

### Measurement accuracy

|          |          |
|----------|----------|
| Accuracy | 1,5 % FE |
|----------|----------|

EC-A  
Moving Iron Ammeter

| CODE    | TYPE     | Scale   | Accuracy | Measurement Range (A) | Modules |
|---------|----------|---------|----------|-----------------------|---------|
| M10212. | EC48 5A  | 90°, P2 | 1,5      | 5                     | 48x48   |
| M10213. | EC48 10A | 90°, P2 | 1,5      | 10                    | 48x48   |
| M10214. | EC48 15A | 90°, P2 | 1,5      | 15                    | 48x48   |
| M10215. | EC48 20A | 90°, P2 | 1,5      | 20                    | 48x48   |
| M10216. | EC48 25A | 90°, P2 | 1,5      | 25                    | 48x48   |
| M10217. | EC48 30A | 90°, P2 | 1,5      | 30                    | 48x48   |
| M10218. | EC48 40A | 90°, P2 | 1,5      | 40                    | 48x48   |



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|---------|-------------|---------|----------|-----------------------|---------|
| M10219. | EC48 50A    | 90°, P2 | 1,5      | 50                    | 48x48   |
| M1021A. | EC48 60A    | 90°, P2 | 1,5      | 60                    | 48x48   |
| M10210. | EC48 .../5A | 90°, P2 | 1,5      | .../5 A               | 48x48   |
| M10222. | EC72 5A     | 90°, P2 | 1,5      | 5                     | 72x72   |
| M10223. | EC72 10A    | 90°, P2 | 1,5      | 10                    | 72x72   |
| M10224. | EC72 15A    | 90°, P2 | 1,5      | 15                    | 72x72   |
| M10225. | EC72 20A    | 90°, P2 | 1,5      | 20                    | 72x72   |
| M10226. | EC72 25A    | 90°, P2 | 1,5      | 25                    | 72x72   |
| M10227. | EC72 30A    | 90°, P2 | 1,5      | 30                    | 72x72   |
| M10228. | EC72 40A    | 90°, P2 | 1,5      | 40                    | 72x72   |
| M10229. | EC72 50A    | 90°, P2 | 1,5      | 50                    | 72x72   |
| M1022A. | EC72 60A    | 90°, P2 | 1,5      | 60                    | 72x72   |
| M1022B. | EC72 75A    | 90°, P2 | 1,5      | 75                    | 72x72   |
| M1022C. | EC72 100A   | 90°, P2 | 1,5      | 100                   | 72x72   |
| M10220. | EC72 .../5A | 90°, P2 | 1,5      | .../5 A               | 72x72   |
| M10232. | EC96 5A     | 90°, P2 | 1,5      | 5                     | 96x96   |
| M10233. | EC96 10A    | 90°, P2 | 1,5      | 10                    | 96x96   |
| M10234. | EC96 15A    | 90°, P2 | 1,5      | 15                    | 96x96   |
| M10235. | EC96 20A    | 90°, P2 | 1,5      | 20                    | 96x96   |
| M10236. | EC96 25A    | 90°, P2 | 1,5      | 25                    | 96x96   |
| M10237. | EC96 30A    | 90°, P2 | 1,5      | 30                    | 96x96   |
| M10238. | EC96 40A    | 90°, P2 | 1,5      | 40                    | 96x96   |
| M10239. | EC96 50A    | 90°, P2 | 1,5      | 50                    | 96x96   |
| M1023A. | EC96 60A    | 90°, P2 | 1,5      | 60                    | 96x96   |
| M1023B. | EC96 75A    | 90°, P2 | 1,5      | 75                    | 96x96   |
| M1023C. | EC96 100A   | 90°, P2 | 1,5      | 100                   | 96x96   |
| M10230. | EC96 .../5A | 90°, P2 | 1,5      | .../5 A               | 96x96   |
| M10242. | EC144 5A    | 90°, P2 | 1,5      | 5                     | 144x144 |
| M10243. | EC144 10A   | 90°, P2 | 1,5      | 10                    | 144x144 |
| M10244. | EC144 15A   | 90°, P2 | 1,5      | 15                    | 144x144 |
| M10245. | EC144 20A   | 90°, P2 | 1,5      | 20                    | 144x144 |
| M10246. | EC144 25A   | 90°, P2 | 1,5      | 25                    | 144x144 |
| M10247. | EC144 30A   | 90°, P2 | 1,5      | 30                    | 144x144 |
| M10248. | EC144 40A   | 90°, P2 | 1,5      | 40                    | 144x144 |
| M10249. | EC144 50A   | 90°, P2 | 1,5      | 50                    | 144x144 |
| M1024A. | EC144 60A   | 90°, P2 | 1,5      | 60                    | 144x144 |
| M1024B. | EC144 75A   | 90°, P2 | 1,5      | 75                    | 144x144 |
| M1024C. | EC144 100A  | 90°, P2 | 1,5      | 100                   | 144x144 |



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|---------|--------------|---------|----------|-----------------------|---------|
| M10240. | EC144 .../5A | 90°, P2 | 1,5      | .../ 5 A              | 144x144 |

Exchangeable scales. See next page



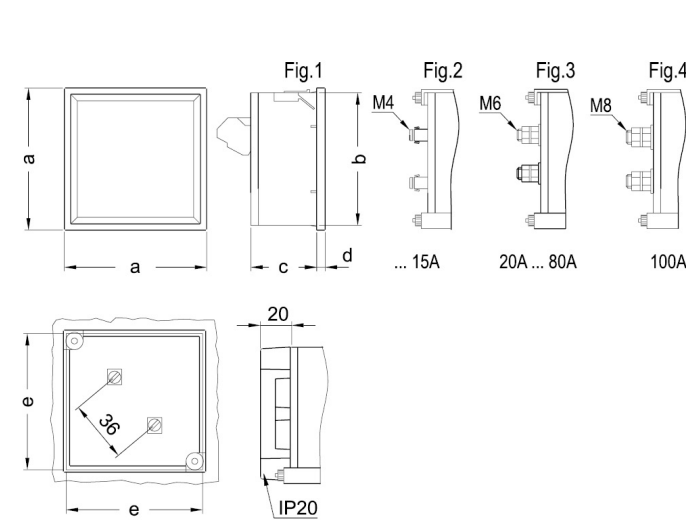
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Dimensions

Connections



| Type | Fig. EC | Fig. BC | a   | b    | c    | d   | e   |
|------|---------|---------|-----|------|------|-----|-----|
| 48   | 1-3     | 1-3     | 48  | 44,7 | 61   | 5,2 | 45  |
| 72   | 1-3-4   | 2-3-4   | 72  | 67,2 | 43,5 | 5,7 | 68  |
| 96   | 1-3-4   | 2-3-4   | 96  | 91   | 43,5 | 5,7 | 92  |
| 144  | 2-3-4   | 2-3-4   | 144 | 137  | 64,5 | 7,3 | 138 |

