



## BC96 50A

BC96 50A, Ammeter

Code: M11439.

- > Scale: 90°, P1
- > Accuracy: 1,5
- > Measurement Range (A): 50
- > Device: BC96
- > Modules: 96x96

### Description

- No need for auxiliary power supply, only the CEC 96 type
- DIN boxes with dimensions: 48, 72, 96 and 144
- Precision class 1.5
- Measurement in DC 25 uA ... 60 A, or ... 60 mV
- Exchangeable scales for BC48, BC72, BC96
- The alarm system can be fully configured for CBC 96

### Application

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



# BC96 50A

Moving coil ammeters

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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)                      | 0,21                |

### 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        | 60 mV                                                                  |
| 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 a 50Hz < 1 min entre mecanismo y caja |
|-----------------------------|--------------------------------------------|

### Measurement accuracy

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

BC-A  
Moving coil ammeters (dc)

| CODE    | TYPE          | Scale    | Accuracy | Measurement Range (A) | Modules | Device |
|---------|---------------|----------|----------|-----------------------|---------|--------|
| M11412. | BC48 5A       | 90° , P1 | 1,5      | 5                     | 48x48   | BC48   |
| M11413. | BC48 10A      | 90° , P1 | 1,5      | 10                    | 48x48   | BC48   |
| M11416. | BC48 25A      | 90° , P1 | 1,5      | 25                    | 48x48   | BC48   |
| M11419. | BC48 50A      | 90° , P1 | 1,5      | 50                    | 48x48   | BC48   |
| M11410. | BC48 .../60mV | 90° , P1 | 1,5      | .../60mV              | 48x48   | BC48   |
| M11422. | BC72 5A       | 90° , P1 | 1,5      | 5                     | 72x72   | BC72   |
| M11423. | BC72 10A      | 90° , P1 | 1,5      | 10                    | 72x72   | BC72   |
| M11426. | BC72 25A      | 90° , P1 | 1,5      | 25                    | 72x72   | BC72   |



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|---------|----------------|----------|----------|-----------------------|---------|--------|
| M11429. | BC72 50A       | 90° , P1 | 1,5      | 50                    | 72x72   | BC72   |
| M1142A. | BC72 60A       | 90° , P1 | 1,5      | 60                    | 72x72   | BC72   |
| M11420. | BC72 .../60mV  | 90° , P1 | 1,5      | .../60mV              | 72x72   | BC72   |
| M11432. | BC96 5A        | 90° , P1 | 1,5      | 5                     | 96x96   | BC96   |
| M11433. | BC96 10A       | 90° , P1 | 1,5      | 10                    | 96x96   | BC96   |
| M11436. | BC96 25A       | 90° , P1 | 1,5      | 25                    | 96x96   | BC96   |
| M11439. | BC96 50A       | 90° , P1 | 1,5      | 50                    | 96x96   | BC96   |
| M1143A. | BC96 60A       | 90° , P1 | 1,5      | 60                    | 96x96   | BC96   |
| M11430. | BC96 .../60mV  | 90° , P1 | 1,5      | .../60mV              | 96x96   | BC96   |
| M11442. | BC144 5A       | 90° , P1 | 1,5      | 5                     | 144x144 | BC144  |
| M11443. | BC144 10A      | 90° , P1 | 1,5      | 10                    | 144x144 | BC144  |
| M11446. | BC144 25A      | 90° , P1 | 1,5      | 25                    | 144x144 | BC144  |
| M11449. | BC144 50A      | 90° , P1 | 1,5      | 50                    | 144x144 | BC144  |
| M1144A. | BC144 60A      | 90° , P1 | 1,5      | 60                    | 144x144 | BC144  |
| M11440. | BC144 .../60mV | 90° , P1 | 1,5      | .../60mV              | 144x144 | BC144  |

Exchangeable scales. External shunts, see section Measuring current transformers and shunts



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### Connections

