



## BC48 0...20mA

BC48 0...20mA, Process Indicator

Code: M11812.

- > Scale: 90°, P1
- > Accuracy: 1,5
- > Full scale: 0...20 mA
- > Device: BC48
- > Modules: 48x48

### Description

- Does not need an auxiliary power supply
- DIN boxes with dimensions: 48, 72, 96 and 144
- Precision class 1.5
- Measurement in DC of 0 ... 10 V, 0 / 4 ... 20 mA, ... / 60 mV
- Exchangeable scales for BC48, BC72, BC96, BM 45

### Application

For the measurement of the mean value of voltages and currents in direct current circuits, even of the pulsating type, in a vast margin of values.



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## Specifications

### Mechanical characteristics

|                                  |                     |
|----------------------------------|---------------------|
| Size (mm) width x height x depth | 48 x 48 x 66.2 (mm) |
| Fastening                        | Panel               |
| Weight (kg)                      | 0,075               |

### 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 |

### Voltage measurement circuit

|                                       |                         |
|---------------------------------------|-------------------------|
| Consumption                           | 1000 Ω/V                |
| Maximum permanent measurement voltage | 1,2 Vn / 2 Vn during 5s |

### Electrical characteristics

|                             |                                            |
|-----------------------------|--------------------------------------------|
| Insulation voltage, circuit | 2 kV a 50Hz < 1 min entre mecanismo y caja |
|-----------------------------|--------------------------------------------|

### Measurement accuracy

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

### BC-IP

Process indicators, 90°

| CODE    | TYPE          | Scale    | Accuracy | Modules | Device | Full scale |
|---------|---------------|----------|----------|---------|--------|------------|
| M11813. | BC48 0...10V  | 90° , P1 | 1,5      | 48x48   | BC48   | 0...10 V   |
| M11812. | BC48 0...20mA | 90° , P1 | 1,5      | 48x48   | BC48   | 0...20 mA  |
| M11811. | BC48 4...20mA | 90° , P1 | 1,5      | 48x48   | BC48   | 4...20 mA  |
| M11823. | BC72 0...10V  | 90° , P1 | 1,5      | 72x72   | BC72   | 0...10 V   |
| M11822. | BC72 0...20mA | 90° , P1 | 1,5      | 72x72   | BC72   | 0...20 mA  |
| M11821. | BC72 4...20mA | 90° , P1 | 1,5      | 72x72   | BC72   | 4...20 mA  |
| M11833. | BC96 0...10V  | 90° , P1 | 1,5      | 96x96   |        | 0...10 V   |
| M11832. | BC96 0...20mA | 90° , P1 | 1,5      | 96x96   | BC96   | 0...20 mA  |
| M11831. | BC96 4...20mA | 90° , P1 | 1,5      | 96x96   | BC96   | 4...20 mA  |



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| CODE    | TYPE           | Scale    | Accuracy | Modules | Device | Full scale |
|---------|----------------|----------|----------|---------|--------|------------|
| M11843. | BC144 0...10V  | 90° , P1 | 1,5      | 144x144 |        | 0...10 V   |
| M11842. | BC144 0...20mA | 90° , P1 | 1,5      | 144x144 |        | 0...20 mA  |
| M11841. | BC144 4...20mA | 90° , P1 | 1,5      | 144x144 |        | 4...20 mA  |

Scales included in the price (\*) The 6-digit code includes the 4 ... 20 mA scale



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### Connections

