



## BC144 0...20mA

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BC144 0...20mA, Process Indicator

Code: M11842.

- > Scale: 90°, P1
- > Accuracy: 1,5
- > Full scale: 0...20 mA
- > Modules: 144x144

### Description

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- 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

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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 | 144 x 144 x 71.8 (mm) |
| Fastening                        | Panel                 |
| Weight (kg)                      | 0,42                  |

#### Environmental characteristics

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

#### Standards

|                                       |  |
|---------------------------------------|--|
| Certifications                        | CE, UL   |
| Electrical safety, Maximum height (m) | 2000   |
| Standards                             | BS 89, UNE-EN 60051, IEC 144, UL94, 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

