

# Data sheet

## EIW-C18 230 V AC

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P/N

11027205

EAN 4250184120971

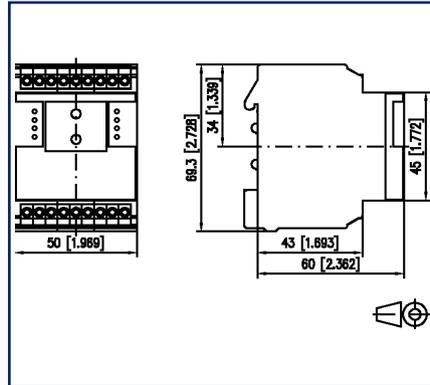
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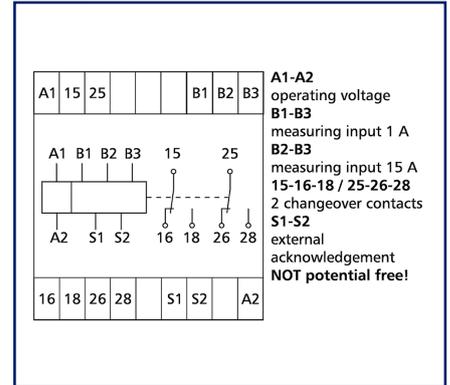
### Illustrations



Dimensional drawing



Wiring diagram



See enlarged drawings at the end of document

### Product specification

Monitoring of direct or alternating currents in live systems. It is displayed whether the adjusted values are exceeded or not reached, and a switching process is triggered. The integrated 7-segment display indicates the sources of the fault. The current to be measured (AC or DC), an upper and a lower threshold value, a response delay and the fault memory (ON or OFF) can be adjusted manually on the device. The two current measuring ranges can be selected by means of the terminal blocks. Faults can be acknowledged directly on the device or by means of an external contact.

- Connection with screw type terminal blocks



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**Technical Data**

**Supply**

Operating voltage	230 V AC -10% ... +10%
Frequency range	50 Hz
Power consumption (max.)	15 mA
Duty cycle relative	100 %

**Inputs**

Measuring input B1 - B3	0,01 A - 1 A
Measuring input B2 - B3	0,1 A - 15 A
Response delay	0.1 s - 9.9 s, adjustable
Switching hysteresis	10 %
Measurement cycle	max. 100 ms
Measurement frequency	max. 200 Hz
Temperature error	<= 0.06 %/°C
Measurement error within the operating voltage	12 %

**Outputs**

Contacts	2 changeover contacts
Contact material	AgNi
Switching voltage (max.)	250 V AC
Continuous Current	8 A
Pick-up delay	230 V~ 6 A AC1
Switch-off delay	230 V~ 3 A AC3
Switching frequency	360 switching cycles/h
Mechanical life	3x10 <sup>7</sup> switching cycles
Electrical life	1x10 <sup>5</sup> switching cycles
Indicator / Error	2 x 7-segment display
Indicator	green and red LED

**Housing**

Dimensions	
Dimension (W x H x D)	50 mm x 69.3 mm x 60 mm
Dimension (W x H x D)	1.969 in. x 2.728 in. x 2.362 in.
Weight	200 g
Mounting style	Standard rail TH35
Mounting position	any

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**Technical Data**

<b>Housing</b>	
Apposition	without distance
Connection type	Screw type terminal blocks
<b>Terminal blocks</b>	
Wire cross section solid	0.34 mm <sup>2</sup> - 2.5 mm <sup>2</sup> / AWG 22-12
Wire cross section multi	0.25 mm <sup>2</sup> - 2.5 mm <sup>2</sup> / AWG 22-12
Wire cross section with wire ferrule	0.25 mm <sup>2</sup> - 2.5 mm <sup>2</sup> / AWG 22-12
Screw torque (max.)	0.5 Nm
Stripping length (min.)	8 mm
<b>Material</b>	
Material - Housing	Polyamid 6.6 V0
Color	gray
Material - Terminal block	Polyamid 6.6 V0
Material - Covers	Polycarbonat
<b>Protection category according to IEC 60529</b>	
Protection category - housing (acc. to IEC 60529)	IP40
Protection category - terminal blocks (acc. to IEC 60529)	IP20
<b>Climatic Data</b>	
Operating	
Temperature - Operating °C	-5 °C - 55 °C
Temperature - Operating °F	23 °F - 131 °F
Relative humidity	max. 85 % non-condensing
Storage	
Temperature - Storage °C	-20 °C - 70 °C
Temperature - Storage °F	-4 °F - 158 °F
<b>Power loss</b>	
Power loss (typical)	3 W

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**Technical Data****Classifications**

ETIM 7.0	EC001440
ETIM 8.0	EC001440
ETIM 9.0	EC001440
ETIM 10.0	EC001440

**Application note**

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).



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## Accessories

P/N	Designation
1101810507	Current Converter TAmmini 50/5 A
1101810508	Current Converter TAmmini 100/5 A



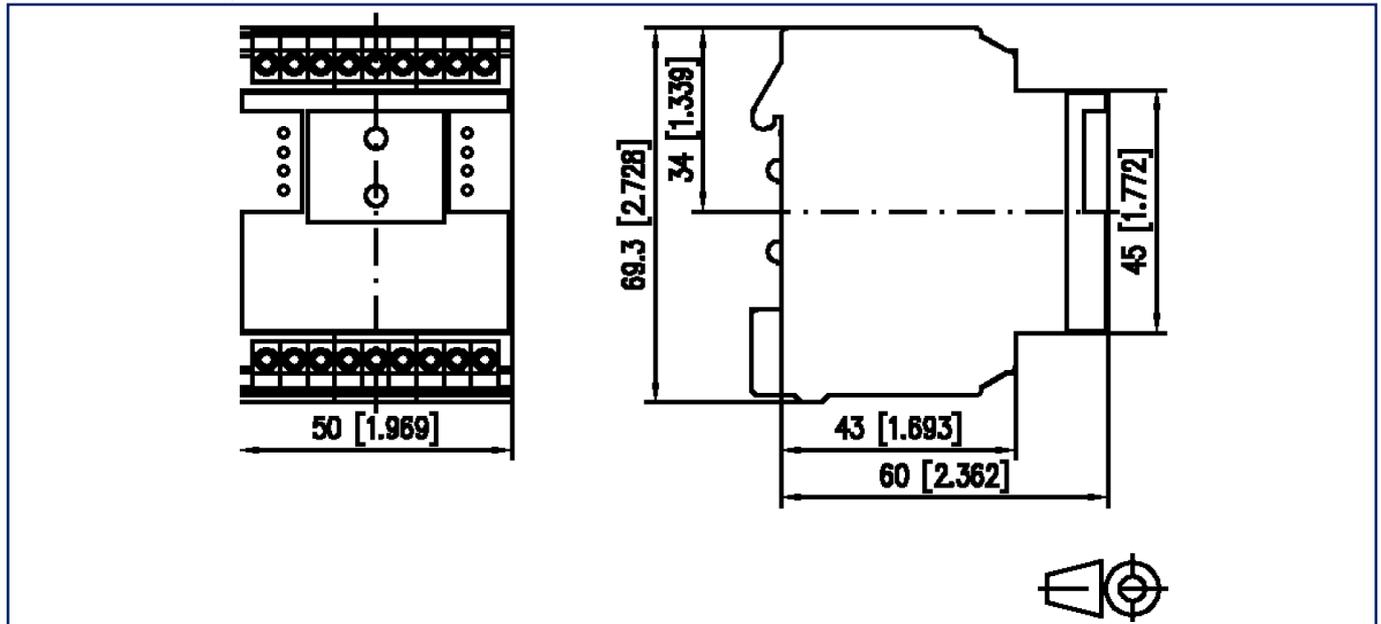
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Dimensional drawing



Wiring diagram

