

GLS-EM-CT-20A-HA/50A-HA

Solid Core Current Transformers, High Accuracy



- Provides detailed branch circuit data to a GLS-EM-MCU Crestron Green Light® power meter control unit
- High measuring accuracy of +/- 0.5% at 0.5% to 140% of rated current
- Twisted pair wire leads
- Easy wire routing through circular window

Crestron® GLS-EM-CT solid core current transformers are designed for use with a GLS-EM-MCU Crestron Green Light® Power Meter Control Unit¹ and are essential for reporting branch circuit data to the unit.

High Accuracy

GLS-EM-CT-HA high accuracy current transformers broaden the load range at which amperage can be metered and the degree of accuracy at which it can be measured.

Wire Leads

GLS-EM-CT transformers are furnished with a twisted pair of wires that connect to a GLS-EM-MCU Power Meter Control unit. The wire leads can be trimmed and stripped for specific applications.

Easy Installation

Simply route wiring through the circular window of the solid core transformer before connecting the transformer to a GLS-EM-MCU.

Specifications

Measurements

Nominal Rating	GLS-EM-CT-20A-HA: 20 A GLS-EM-CT-50A-HA: 50 A
Ratio Error	<2% at rated current (typical)
Phase Error	<2° at rated current (typical)
Accuracy	High measuring accuracy of +/- 0.5% at 0.5% to 140% of rated current

Electrical

Output	333 mV at rated current
Frequency Range	50-400 Hz

Safety

Working Voltage	600 VAC, Category III
Dielectric Strength	5000 VAC, around case 600 V rated leads

Connections

Leads	42 in. (1067 mm) length; Twisted pair, 22 AWG
Wire Polarity	White - Positive (+) Black - Negative (-)

Environmental

Temperature	-4° to 131° F (-20° to 55° C)
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Enclosure

Case Material	Epoxy encapsulated housing
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Dimensions

Height	1.39 in. (36 mm)
Width	1.40 in. (36 mm)
Depth	0.56 in. (15 mm)
Window Size	0.64 in. (17 mm)

Compliance

CE, Intertek, UL STD 61010-1, CAN/CSA STD C22.2 No. 61010-1

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Models

GLS-EM-CT-20A-HA

20 A Split Core Current Transformer, High Accuracy

GLS-EM-CT-50A-HA

50 A Split Core Current Transformer, High Accuracy

Notes:

1. To prevent wire noise, the maximum distance between a GLS-EM-MCU or GLS-EM-CTI and a GLS-EM-CT should not exceed 50 ft (15.24 m). This maximum distance applies to the following product models: GLS-EM-MCU, GLS-EM-CTI-* and GLS-EM-CT-*.

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/How-To-Buy/Find-a-Representative or by calling 855-263-8754.

This product is covered under the Crestron standard limited warranty. Refer to www.crestron.com/warranty for full details.

The specific patents that cover Crestron products are listed online at patents.crestron.com.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

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