

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

## Solid Core Current Transformers



- Provides detailed branch circuit data to a GLS-EM-MCU Crestron Green Light® power meter control unit
- +/- 1% measuring accuracy at 10% to 130% 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 Unit<sup>1</sup> and are essential for reporting branch circuit data to the unit.

### 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

<b>Nominal Rating</b>	GLS-EM-CT-20A: 20 A GLS-EM-CT-50A: 50 A
<b>Ratio Error</b>	<2% at rated current (typical)
<b>Phase Error</b>	<2° at rated current (typical)
<b>Accuracy</b>	+/- 1% measuring accuracy at 10% to 130% of rated current

### Electrical

<b>Output</b>	333 mV at rated current
<b>Frequency Range</b>	50-400 Hz

### Safety

<b>Working Voltage</b>	600 VAC, Category III
<b>Dielectric Strength</b>	5000 VAC, around case 600 V rated leads

### Connections

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

### Environmental

<b>Temperature</b>	-4° to 131° F (-20° to 55° C)
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### Enclosure

<b>Case Material</b>	Epoxy encapsulated housing
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### Dimensions

<b>Height</b>	1.39 in. (36 mm)
<b>Width</b>	1.40 in. (36 mm)
<b>Depth</b>	0.56 in. (15 mm)
<b>Window Size</b>	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

20 A Split Core Current Transformer

#### GLS-EM-CT-50A

50 A Split Core Current Transformer

#### 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](http://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](http://www.crestron.com/warranty) for full details.

The specific patents that cover Crestron products are listed online at [patents.crestron.com](http://patents.crestron.com).

Certain Crestron products contain open source software. For specific information, please visit [www.crestron.com/opensource](http://www.crestron.com/opensource).

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Rev 03/06/20

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