

# Terminal Breakout Box Kit for Use with Shark<sup>®</sup> 270 I/O

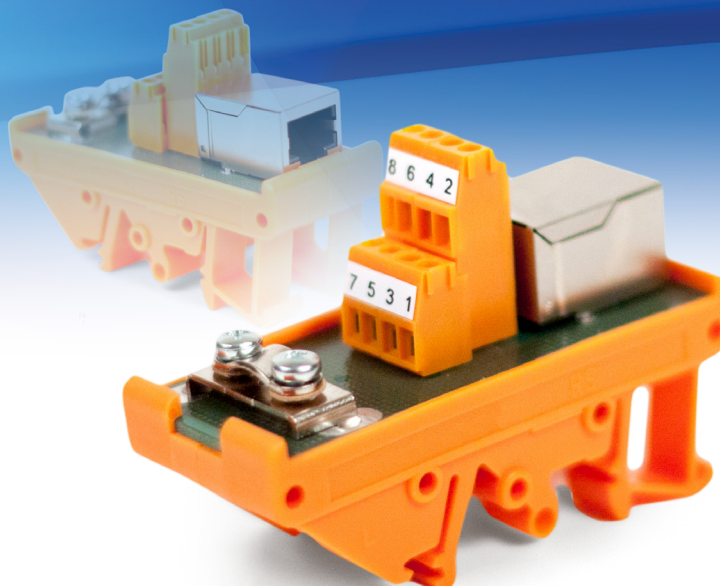
Model: CONN20163-KT

## Description

EIG's CONN20163-KT terminal breakout box kit lets you connect the Shark<sup>®</sup> 270 meter to your equipment in a simple, one-step process, giving you access to the capabilities of the Shark<sup>®</sup> 270 high accuracy socket revenue meter while utilizing your current wiring scheme.

Simply use the kit's CAT 6 cable to connect from one of the meter's RJ45 I/O connectors to the RJ45 port on the CONN20163 unit. The CONN20163 converts the RJ45 cable connection to an 8 pole screw terminal receptacle that can be used for connecting I/O wiring to your equipment, saving you time and providing a convenient point of termination.

Refer to the wiring diagram on the next page.



### Dimension Specifications

|                         |                         |
|-------------------------|-------------------------|
| Width: 2.76 in (70 mm)  | Height: 1.89 in (48 mm) |
| Length: 1.18 in (30 mm) | Weight: 1.19 oz.        |

### Temperature Specifications

|  |
|--|
| Operating temperature: +32 °F to +131 °F (-0 °C to +55 °C) |
| Storage temperature: -40 °F to +158 °F (-40 °C to +70 °C)  |

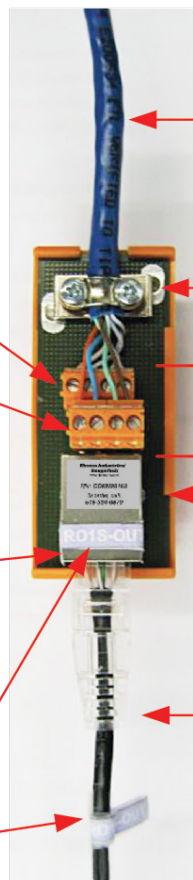
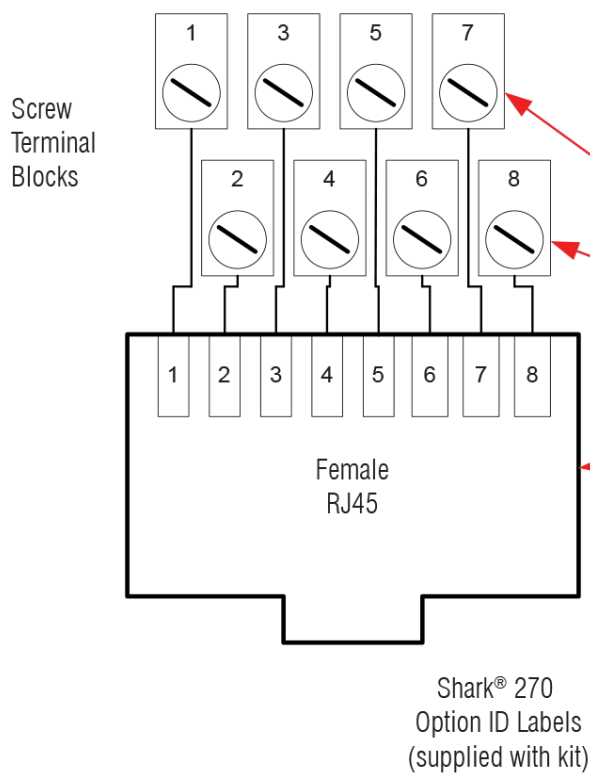
### General Specifications

|   |
|---|
| Max. permissible operating voltage: 50 V AC/DC**                  |
| Max. permissible current (per connection): 1 A**                  |
| Number of poles: 8  |
| Mounting position: Any; can mount to standard TS35 mounting rails |
| Standards/regulations: Directive 2006/95/EC (RoHS)                |
| Connection 1 method: Screw terminal                               |
| Connection 1 wire gauge: 28 AWG minimum; 14 AWG maximum           |
| Wire strip length: 0.20 in (5.0 mm)                               |
| Maximum cable diameter: 0.20 in +/- 0.008 in (5.0 mm +/- 0.2 mm)  |
| Connection 2 method: RJ45 socket (shielded)                       |
| Connection 2 recommended cable: Cat 6 (supplied)                  |
| Strain relief body/screws electrically connected to RJ45 shield   |

## Typical Wiring for the CONN-20163 Unit

### TYPICAL CONNECTION

#### CIRCUIT DIAGRAM



Breakout Cable to External Device (customer-supplied)

Connection 1 Strain Relief

Connection 1 Terminal Block

Connection 2 RJ45 Socket

Cat 6 Cable to Shark® 270 Option Port (supplied with kit)

## Agency Approvals

- Directive 2006/95/EC (RoHS)

### Ordering Information

**Model: CONN20163-KT\***

Orders ship in less than 7 days. Consult factory for faster shipping.

\*Contents include: CONN20163 unit, 3 ft. CAT6 cable (black), and cable label sheet.

### To Order Online

<https://www.electroind.com/product/shark-270-energy-meter-i-o-terminal-breakout-box-kit/>



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