Terminal Breakout Box Kit for use with Shark® 270 I/O
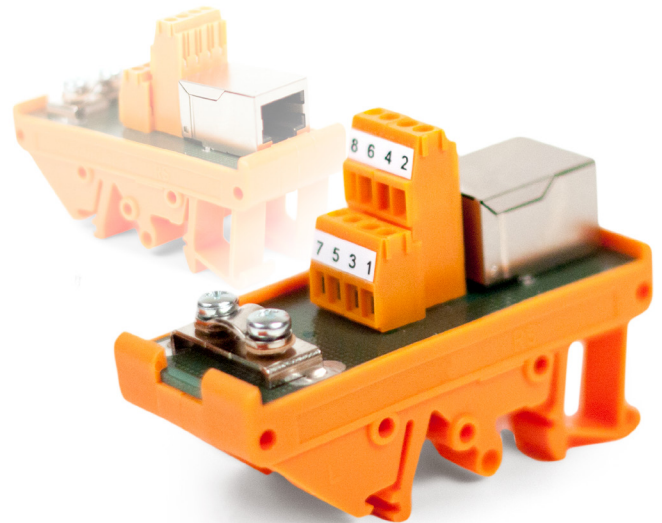
Model: CONN20163-KT

CONN20163-KT

EIG's CONN20163-KT terminal breakout box kit lets you connect the Shark® 270 meter to your equipment in a simple, one-step process, giving you access to the capabilities of the Shark® 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.

CONN20163 Unit

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

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)

** Do not exceed voltage and current ratings of the Shark® 270 meter.

General Specifications (cont.)
Connection 2 method: RJ45 socket (shielded)
Connection 2 recommended cable: Cat 6 (supplied)
Strain relief body/screws electrically connected to RJ45 shield

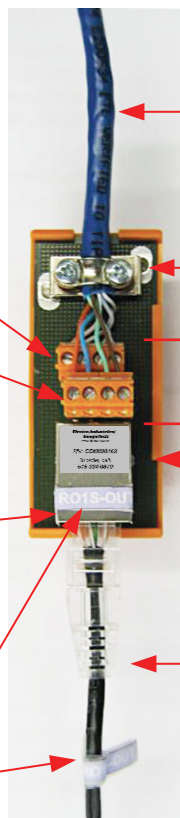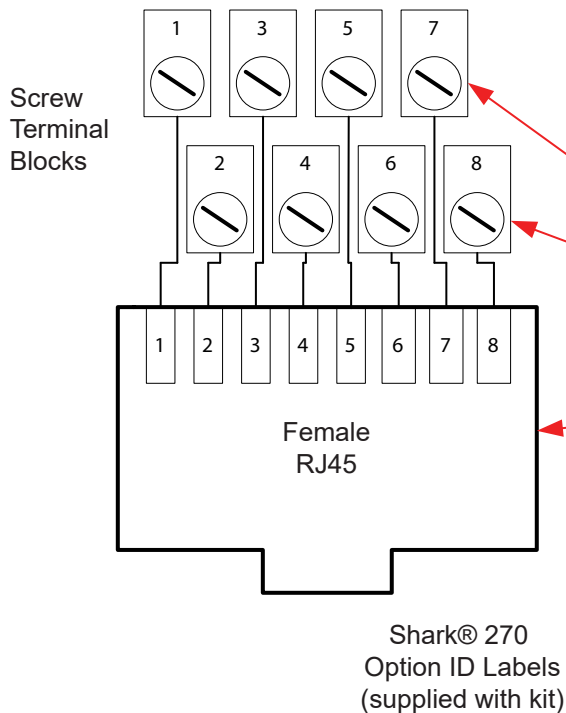| Temperature Specifications |
|---|
| Operating temperature: +32 °F to +131 °F (-0 °C to +55 °C) |
| Storage temperature: -40 °F to +158 °F (-40 °C to +70 °C) |

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Typical Wiring for the CONN-20163 Unit

TYPICAL CONNECTION

CIRCUIT DIAGRAM

Screw Terminal Blocks

| 1 | 3 | 5 | 7 |

| 2 | 4 | 6 | 8 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Female RJ45

Shark® 270 Option ID Labels (supplied with kit)

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://electroind.com/product/shark-270-energy-meter-io-breakout-box-kit