QuiK-Konnect Thermocouple Components Specification

Features
- Color-coded plugs and jacks
- Fast, easy connection of thermocouples
- Assured continuity from thermocouple to instrument
- All components keyed for proper polarity

QuiK-Konnect Plugs and Jacks
Plug and jack bodies are made of colored glass reinforced polyester compound. Body sides are ribbed for easy gripping. Thermocouple calibration is molded into the body.

Body Color
In accordance with ISA and ANSI thermocouple extension wire color codes.

Temperature Rating
Color fast at temperatures to 149°C (300°F). Will withstand ambients to 205°C (400°F).

TABLE 1 - QuiK-Konnect Plugs and Jacks Ordering Information

<table>
<thead>
<tr>
<th>Plug</th>
<th>Jack</th>
<th>Body Color</th>
<th>Thermocouple Type</th>
<th>Accessories Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>30728096-1</td>
<td>30728097-1</td>
<td>Black</td>
<td>J - (Iron-Constantan)</td>
<td>Idento Discs numbered 1 through 10</td>
<td>30721434-1</td>
</tr>
<tr>
<td>30728096-3</td>
<td>30728097-3</td>
<td>Green</td>
<td>R-S - (Platinum Rhodium-Platinum)</td>
<td>Idento Discs numbered 11 through 25</td>
<td>30721434-2</td>
</tr>
<tr>
<td>30728096-4</td>
<td>30728097-4</td>
<td>Blue</td>
<td>T - (Copper-Constantan)</td>
<td>Idento Discs numbered 26 through 50</td>
<td>30721434-3</td>
</tr>
<tr>
<td>30728096-5</td>
<td>30728097-5</td>
<td>Yellow</td>
<td>K - (Chromel-Alumel*)</td>
<td>Idento Discs numbered 51 through 75</td>
<td>30721434-4</td>
</tr>
<tr>
<td>30728096-6</td>
<td>30728097-6</td>
<td>Brown</td>
<td>UN - (Uncompensated, copper-copper)</td>
<td>Idento Discs numbered 76 through 100</td>
<td>30721434-5</td>
</tr>
<tr>
<td>30728096-8</td>
<td>30728097-8</td>
<td>Purple</td>
<td>E - (Chromel-Constantan)</td>
<td>1/16 inch O.D. Tube Adapter</td>
<td>30721653-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1/8 inch O.D. Tube Adapter</td>
<td>30721653-2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3/16 inch O.D. Tube Adapter</td>
<td>30721653-3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1/4 inch O.D. Tube Adapter</td>
<td>30721653-4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Cable Clamp</td>
<td>30721652</td>
</tr>
</tbody>
</table>

*Trademark, Hoskins Manufacturing Co.
Accessories (Options)
See Table 1.

Identos: Aluminum indent discs for numbering matching plugs and jacks. Discs can be pressed into a cavity next to the calibration designation.

Tube Adapters: Used to attach plugs and jacks to MegopA K material and other small diameter tubing. Four sizes to fit 1/16, 1/8, 3/16 and 1/4 inch tubing. See Figure 3.

Cable Clamp: To attach insulated wire to plug and jack. Protects wire from fraying or breaking. Maximum wire size is 16 ga.

Multipoint QuiK-Strips
Plug receptacle is made from Bakelite for temperatures to 149°C (300°F). Supplied with 2, 4, 6, 8, 10 or 12 points. (See Figure 4.) Can be cut to exact number of points desired.

![Figure 3 - Cable Clamp and Tube Adaptor](image)

![Figure 4 - The multipoint QuiK-Strip is an easily installed, compact board, suitable for applications which require 2 to 12 panel mounted outlets. Horizontal mounting shown.](image)

![Figure 5 - Dimensions of the Multipoint QuiK-Strip](image)

<table>
<thead>
<tr>
<th>TABLE 2 - Ordering Information for Multipoint QuiK-Strips</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>No. of Points</strong></td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>4</td>
</tr>
<tr>
<td>6</td>
</tr>
<tr>
<td>8</td>
</tr>
<tr>
<td>10</td>
</tr>
<tr>
<td>12</td>
</tr>
</tbody>
</table>

Tab number if over 12 points. Horizontal or vertical mounting. ORDERING EXAMPLE 30722283-22 is an 8 point QuiK-Strip with Type T calibration for vertical mounting.

![Figure 6 - The QuiK-Kord - Two plugs and a length of insulated extension wire make a handy connector when frequent changes between instruments and thermocouple must be made.](image)

Calibration
Choice of type - J, K, R-S, T, UN or E, or with calibration intermixed. Supplied with pressure sensitive lettered tabs showing calibration of each point. See Table 2 for ordering information.

**Numerical Tabs**
For attachment after installation to identify the points. Number tabs 1 to 12 supplied with each QuiK-Strip. Available in multiples of 12 up to 192. See Table 3.

Dimensions
See Figure 5.

**QuiK-Kord Cable Assembly**
See Figure 6. Consists of two plugs connected to a length of insulated extension wire of Type J, K, R-S, T. Standard lengths are 24" to 60" in 6" increments.

**Ordering Information**
Specify: Part No. 30372757 Calibration and length desired.


**Multipoint QuiK-Panel**

A QuiK-Panel consists of one or several QuiK-Strips in a black anodized aluminum frame suitable for panelboard mounting. See Figure 7. These QuiK-Panel sections are available with the strips mounted either horizontally or vertically. There are no limitations to the number of points or the intermixing of calibrations. However, the total number of points must be evenly divisible by the number of rows.

**Identifying Numbers**

Each point is marked with calibration type on both front and back of panel. Identifying numbers from 1 to 200 are available. See Table 3.

**Mounting Dimensions**

**Horizontal Mounting:** Overall panel dimensions are calculated as follows:
- Overall height = No. of rows x 44.4 + 21.4 mm (1.75" + 0.84")
- Overall width = No. of points x 19 + 31.8 mm (0.75" + 1.25")

**Vertical Mounting:** Reverse height and width.

**Ordering Information**

Specify: Part No. 30722395

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**Four-Point QuiK-Panel**

Designed to mount on standard electrical outlet box. Consists of four points of a QuiK-Strip mounted on a 3.2 mm black anodized aluminum frame measuring 70 x 114 mm (2.75" x 4.5").

**Ordering Information**

Specify:
- 30372756-1 - Type J
- 30721477-5 - Type K
- 30721477-3 - Type R-S
- 30721477-4 - Type T
- 30721477-6 - Type UN
- 30721477-7 - Type E

Horizontal or vertical mounting.

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*Figure 7* – Multipoint QuiK-Panel showing 2 eight point QuiK-Strips mounted vertically

*Figure 8* – Constructed to mount on a standard outlet box, the Four-Point QuiK-Panel can be quickly and simply installed. Vertical mounting shown.
Single-Point QuiK-Panel

Designed to fit in a 3/4" conduit opening in an instrument case or for a single panel-mounted outlet. Nickel-plated bracket and plate. See Figure 9.

Ordering Information
Specify:
- 30372758-1 – Type J
- 303721477-5 – Type K
- 303721477-3 – Type R-S
- 303721477-4 – Type T
- 303721477-6 – Type UN
- 303721477-7 – Type E

Figure 9 – Dimensions of Single-Point QuiK-Panel

| TABLE 3 – Numerical Identifiers for QuiK-Strips and QuiK-Panels |
|---------------------------------|----------------|----------------|
| Part Number                     | Numbered       | Used on        |
| 30722280-1                      | 1 to 100       | Front of Panel |
| 30722280-2                      | 101 to 200     |                |
| 30722281-1                      | 1 to 100       | Back of Panel  |
| 30722281-2                      | 101 to 200     |                |

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Specifications are subject to change without notice.