MQ15

Simple Power Distribution

With the MQ15 h-coupler, motors can be connected easily and quickly. This means that simple patches can be made in the power supply. This significantly reduces the installation effort when connecting several motors.

**FEATURES**
- Sealed with ¼ turn - No tools required
- Fully molded
- Tamper proof
- Flex and vibration protection
- IP67 rating

**OPTIONS**
- 4 or 6-pole
- Shielded or unshielded
- PUR or PVC cable jacket (unshielded)
- 13 or 16A conductors
- Single or Double-ended

Murrelektronik’s MQ15 cables are the solution for AC/DC power and signal transfer, with three contacts that can carry up to 16A at 600V AC and two more that can carry signal at 10A. An additional pin at the center of each connector is used to establish a ground connection for added safety. With custom quick connection technology, each cable can be connected and sealed within seconds, no tools required.

** Related MURRELEKTRONIK Products **

**T-Coupler**

<table>
<thead>
<tr>
<th>Description</th>
<th>Art. Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male, crimp connection</td>
<td>7000-P8501-0000000</td>
</tr>
<tr>
<td>Female, crimp connection</td>
<td>7000-P8541-0000000</td>
</tr>
<tr>
<td>Male, contact 1.5mm² (16AWG)</td>
<td>7000-P8901-0000000</td>
</tr>
<tr>
<td>Female, contact 1.5mm² (16AWG)</td>
<td>7000-P8912-0000000</td>
</tr>
<tr>
<td>Male, contact 2.5mm² (14AWG)</td>
<td>7000-P8903-0000000</td>
</tr>
<tr>
<td>Female, contact 2.5mm² (14AWG)</td>
<td>7000-P8914-0000000</td>
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**Field Wireables**

<table>
<thead>
<tr>
<th>Description</th>
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<tr>
<td>Male, crimp connection</td>
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**Blind Plug**

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Art. Number</th>
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<tbody>
<tr>
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<td>7000-P8907-0000000</td>
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<tr>
<td>100 pieces</td>
<td>7000-P8906-0000000</td>
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</tbody>
</table>

**Cable Properties**

<table>
<thead>
<tr>
<th>PVC</th>
<th>PUR</th>
<th>Shielded PUR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flame Retardant</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Chemical Resistant</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Oil Resistant</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Halogen Free</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

- **Nominal Voltage**: 1000V AC
- **Flex Rating**: 5 million cycles
- **Temperature Range (Flex)**: -5 to 80°C
- **Temperature Range (Fixed)**: -20 to 60°C
- **Jacket Color**: Black, Orange
MQ15 At A Glance

With our MQ15 receptacles, motors can be converted to a pluggable solution. Motor integration is possible thanks to the M20 × 1.5 thread. No adapters needed!

### MQ15 At A Glance

- **500 Mating Cycles**
- **UL Listed according to PVVA 2237**
- **Integrated Conduit Retainer**
- **Tool-free Connection**
- **IP67 Rated**
- **600V AC, Up to 16A**
- **Tamper Resistant**
- **Vibration Proof**

### Motor Connections Made Simple

- **Front Mount Male Receptacles - Shielded**
  - **Poles** | **Art. Number** | **Cable (x)**
  - 4     | 7000-P8281-x | P81/P82
  - 6     | 7000-P8381-x | P80/P83

- **Front Mount Female Receptacles - Shielded**
  - **Poles** | **Art. Number** | **Cable (x)**
  - 4     | 7000-P8291-x | P81/P82
  - 6     | 7000-P8391-x | P80/P83

### Cable (x) Poles Cable Color

- **P80** | 6 x 2.5mm² | black/blue
- **P81** | 4 x 1.5mm² | black
- **P82** | 4 x 2.5mm² | black
- **P83** | 6 x 1.5mm² | black/blue

### Male Connections

- **Unshielded**
  - **Poles** | **Size** | **Cable Type** | **Color** | **Art. Number**
  - 4     | 1.5mm² | PVC | Black | 7000-PB001-P71xxxx
  - 6     | 1.5mm² | PVC | Black | 7000-PB001-P64xxxx
  - 6     | 2.5mm² | PVC | Black | 7000-PB001-P64xxxx
  - 6     | 2.5mm² | PUR | Orange | 7000-PB001-P64xxxx

- **Shielded**
  - **Poles** | **Size** | **Cable Type** | **Color** | **Art. Number**
  - 4     | 1.5mm² | PVC | Black | 7000-PB001-P71xxxx
  - 6     | 1.5mm² | PVC | Black | 7000-PB001-P64xxxx
  - 6     | 2.5mm² | PVC | Black | 7000-PB001-P64xxxx
  - 6     | 2.5mm² | PUR | Orange | 7000-PB001-P64xxxx

### Female Connections

- **Unshielded**
  - **Poles** | **Size** | **Cable Type** | **Color** | **Art. Number**
  - 4     | 1.5mm² | PVC | Black | 7000-PB001-P71xxxx
  - 6     | 1.5mm² | PVC | Black | 7000-PB001-P64xxxx
  - 6     | 2.5mm² | PVC | Black | 7000-PB001-P64xxxx
  - 6     | 2.5mm² | PUR | Orange | 7000-PB001-P64xxxx

- **Shielded**
  - **Poles** | **Size** | **Cable Type** | **Color** | **Art. Number**
  - 4     | 1.5mm² | PVC | Black | 7000-PB001-P71xxxx
  - 6     | 1.5mm² | PVC | Black | 7000-PB001-P64xxxx
  - 6     | 2.5mm² | PVC | Black | 7000-PB001-P64xxxx
  - 6     | 2.5mm² | PUR | Orange | 7000-PB001-P64xxxx

### Male Straight to Female Straight

- **Unshielded**
  - **Poles** | **Size** | **Cable Type** | **Color** | **Art. Number**
  - 4     | 1.5mm² | PVC | Black | 7000-PB001-P71xxxx
  - 6     | 1.5mm² | PVC | Black | 7000-PB001-P64xxxx
  - 6     | 2.5mm² | PVC | Black | 7000-PB001-P64xxxx
  - 6     | 2.5mm² | PUR | Orange | 7000-PB001-P64xxxx

- **Shielded**
  - **Poles** | **Size** | **Cable Type** | **Color** | **Art. Number**
  - 4     | 1.5mm² | PVC | Black | 7000-PB001-P71xxxx
  - 6     | 1.5mm² | PVC | Black | 7000-PB001-P64xxxx
  - 6     | 2.5mm² | PVC | Black | 7000-PB001-P64xxxx
  - 6     | 2.5mm² | PUR | Orange | 7000-PB001-P64xxxx

### Cable (x) Poles Cable Color

- **P80** | 6 x 2.5mm² | black/blue
- **P81** | 4 x 1.5mm² | black
- **P82** | 4 x 2.5mm² | black
- **P83** | 6 x 1.5mm² | black/blue

### Pin Diagram

- ** xxx = Cable length in meters**
  - 0100 = 1m  1000 = 10m
  - 0300 = 3m  2000 = 20m
  - 0500 = 5m  3000 = 30m
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- Fully molded
- Tamper proof
- Flex and vibration protection
- IP67 rating

**Options**
- 4 or 6-pole
- Shielded or unshielded
- PUR or PVC cable jacket (unshielded)
- 13 or 16A conductors
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**Accessories**

**Field Wireables**

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- Chemical Resistant
- Oil Resistant
- Halogen Free
- Nominal Voltage 1000V AC
- Flex Rating 5 million
- Temperature Range (Flex) -5 to 80°C to 0 to 60°C to 0 to 60°C
- Temperature Range (Fixed) -40 to 80°C -40 to 80°C -40 to 80°C
- Jacket Color Black | Orange

**Related MURRELEKTRONIK Products**

- M23
- Mini [7/8”]
- Mini IDC
- M12 Power
- M12 IDC