Wiring Devices – Product Features

Hand grip features wide-rib, non-slip design

Configuration-specific plug face surrounds blades to prevent infiltration of contaminants

Face and body feature alignment keys for easy assembly

Amperage, voltage and NEMA configuration imprinted on face for easy identification

Double wall construction for extra durability

Captive, combination Slot/Phillips assembly screws

Neutral blade is nickel-plated for easy identification

Impact/chemical resistant; toughened nylon construction

High Performance Contact
High-performance copper-alloy contacts have excellent conductivity and spring properties to provide superior contact pressure. Clamp-type terminals have .078 inch thick over-sized clamp nut with undercut for secure retention of conductor. Captive combination phillips/slotted #10 brass terminal screws are color-coded for easy wiring.

EPDM Dust Seal
Triple Gripper®
Terminal Cover
Angle Adapter

(Ethylene Propylene Diene Monomer)
Resilient dust seal surrounds cord, helping prevent moisture and contaminants from entering wiring chamber. Tapered cover eliminates snagging.

Internal “self-centering” Triple Gripper® cord grip with “radius teeth” design provides secure cord retention.

Transparent terminal cover, extended “teardrop” wiring pockets and backed out “captive” terminal screws simplify wiring.

Nylon angle adapter (catalog number 70204ANA) converts 20A and 30A nylon locking plugs and connectors into space-saving angle devices.

www.automationdirect.com/wiring-solutions
Wiring Devices – Product Features

**TECH-SPEC®**

Combination back and side wiring terminals accept #14 thru #8 AWG solid or stranded conductors

- Captive terminal screws are deep slotted for easy installation
- Base is molded of rugged reinforced thermoplastic polyester to minimize heat buildup and resist breakage. Thick wall construction provides terminal isolation and strong support for current-carrying parts
- One-piece, rivetless copper-alloy contact design reduces heat buildup and provides secure blade retention
- High strength #10 terminal screws resist corrosion and provide secure terminations
- Captive, combination Slot/Phillips mounting screws

**70520FR**

- Heavy-duty mounting straps are nickel-plated to resist corrosion; wide width design assures secure assembly
- NEMA rating and configuration are molded into face for easy identification
- Face is molded of toughened nylon to resist breakage
- Space-saving design allows more room in box for wiring
- Both mounting straps are grounded for safe installations

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**Wiring Device Selection**

When selecting wiring devices, there are various plug options which will work with coordinating connectors or plugs.

**Step 1**

Some applications may require a wall receptacle to be used with the coordinating plug.

**Step 2**

- OR -

Other applications may require the use of a connector for extending the length of a cable with coordinating plug type.

**Step 2**

**Receptacle**

**Plug**

**Connector**
### Locking Style NEMA Configurations

<table>
<thead>
<tr>
<th>Voltage</th>
<th>NEMA #</th>
<th>15 Ampere</th>
<th>20 Ampere</th>
<th>30 Ampere</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Receptacle/Plug</td>
<td>Receptacle/Plug</td>
<td>Receptacle/Plug</td>
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<tr>
<td>125V</td>
<td>L5</td>
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<tr>
<td>250V</td>
<td>L6</td>
<td><img src="image" alt="L6-15R" /></td>
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<tr>
<td>277V</td>
<td>L7</td>
<td><img src="image" alt="L7-15R" /></td>
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<tr>
<td>480V</td>
<td>L8</td>
<td><img src="image" alt="L8-15R" /></td>
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</tr>
<tr>
<td>125/250V</td>
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<tr>
<td>3Ø 250V</td>
<td>L15</td>
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<td>3Ø 480V</td>
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<td>3Ø 600V</td>
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<tr>
<td>3Ø Y 120/208V</td>
<td>L21</td>
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<tr>
<td>3Ø Y 277/480V</td>
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### Straight-Blade Style NEMA Configurations

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<th>Voltage</th>
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<tr>
<td></td>
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<td>Receptacle/Plug</td>
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<tr>
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<tr>
<td>2-Pole 3-Wire Grounding</td>
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<td><img src="image" alt="6-20R" /></td>
<td><img src="image" alt="6-30R" /></td>
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</tbody>
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Note: Please see Appendix for
1.) Mechanical and electrical properties of material data
2.) Chemical resistance of material
3.) Table III Hp rating chart