## Straight Blade Plugs & Connectors

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EATON 2016 Arrow Hart Buyers Guide

B-1
Plug and connector families

Straight blade plugs & connectors for any application

Arrow Hart’s extensive offering of straight blade plugs and connectors cover the full range of hospital, industrial and commercial specification grades for applications where quality and durability are critical.

Hospital specification grade plugs & connectors
Built to meet and exceed UL Federal specification and hospital grade testing, Arrow Hart’s hospital grade plugs and connectors assure reliable performance in the most demanding healthcare applications.

Industrial specification grade plugs, connectors, flanged inlets & outlets
With a variety of styles including safety grip, auto grip and quick grip, these devices are designed to install quickly and easily and provide reliable performance in tough industrial environments.

Commercial specification grade straight blade plugs & connectors
Designed for commercial applications, where ease-of-use, value and quality are critical.

Specification grade straight blade power devices
Heavy duty design and construction make Arrow Hart power devices ideal for any high amperage industrial or commercial power connectivity application.
Safety grip hospital grade plugs & connectors features & benefits

- Neoprene gasket seals around cord for added terminal protection from external elements
- Rating information clearly marked on face of device
- Rugged nylon body resists impact and exposure to chemicals
- Wiring chamber provides generous space for wiring
- Textured surface allows for easy grip and handling
- Safety grip hospital grade devices exceed federal spec. and hospital grade testing for use in demanding healthcare environments
- Clear terminal cover allows for easy inspection of conductors and terminations
- Retained quick drive assembly screws speed installation
- Four position angled plug option is ideal for applications requiring power cord to lay close to walls and floors
- Tapered, individual wire pockets guide stranded wire into contact area for ease of installation
- Multiple-head drive screws provide versatility for ease of use

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Quick grip hospital and industrial grade plugs & connectors features & benefits

- **Rugged nylon construction**
- **Scallop design provides more grip**
- **NEMA configuration prominently displayed on exterior**
- **Captive tri-combo screws (Slotted, Phillips and Robertson) for easy installation**
- **Large funneled wire entry ensures proper wiring**
- **Clear terminal cover to visually verify secure termination**
- **Bi-directional terminal screws for quick and easy termination**
- **Roomy wiring chamber for easy installation**
- **Cable diameter ranges molded into removable cord grip inserts**

Compliances, specifications and availability are subject to change without notice.
Auto grip plugs & connectors

Auto grip hospital and industrial grade plugs & connectors features & benefits

- Smooth, tapered body reduces snagging and provides easy handling
- Neoprene gasket seals around cord for added terminal protection from external elements
- Rugged nylon body resists impact and exposure to chemicals
- Single piece grounding contacts for superior continuity
- Auto grip clamp design secures cord during assembly, reducing installation time
- Auto grip hospital grade devices exceed federal spec. and hospital grade testing for use in demanding healthcare environments
- Unique clamp design secures cord during assembly, reducing installation time
- Retained quick drive assembly screws speed installation
- Multiple-head drive screws provide versatility for ease of use
- Tapered, individual wire pockets guide stranded wire into contact area for ease of installation

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Industrial grade ultra grip straight blade plugs & connectors redesign

- Tri-combo screws
- Amperage/voltage & catalog number is clearly marked
- Terminal body assembly screws backed out for fast wiring and assembly
- Tri-combo screws
- Double dovetail provides for a superior cord grip alignment and retention
- Oval & flared ergonomic design
- IP20 rating

Removable inserts allow for optimal cord retention over a full range of cord diameters

Grommet helps prevent debris from entering wire terminal chamber

Longer bosses on cord grip allow for excellent clamp force on large diameter cords

Compliances, specifications and availability are subject to change without notice.
## Industrial grade plugs & connectors quick reference guide

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Hospital Grade

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### Hospital grade plugs & connectors

#### Hospital grade straight blade plugs & connectors

**Product description**
- 2-pole, 3-wire grounding
- 15A, 125V/AC
- NEMA 5-15

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#### Hospital grade straight blade plugs & connectors

**Product description**
- 2-pole, 3-wire grounding
- 20A, 125V/AC
- NEMA 5-20

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† Not NOM Spec

### Hospital grade dimensional information

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### Specification information

- Safety grip HG plugs & connectors: B-23
- Auto grip HG plugs & Connectors: B-23
- Quick grip HG plugs & Connectors: B-23

### Color information:

- BK (Black), C (Clear), RN (Orange), W (White)

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- Indicates NAFTA compliant - Page Q-32
- RoHS compliant - Page Q-32

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**Hospital grade devices**

**SECTION**

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**Hospital grade dimensional Information:** B-16

**Specification information:**
- Safety grip HG plugs & connectors: B-23
- Auto grip HG plugs & Connectors: B-23
- Quick grip HG plugs & Connectors: B-23

**Color information:**

- BK (Black), C (Clear), RN (Orange), W (White)

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**Compliances, specifications and availability are subject to change without notice.**

- Indicates NAFTA compliant - Page Q-32
- RoHS compliant - Page Q-32
## Hospital grade plugs & connectors

### Hospital grade straight blade plugs & connectors

**Product description**
2-pole, 3-wire grounding
15A, 250V/AC
NEMA 6-15

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<thead>
<tr>
<th>Description</th>
<th>Cord diameter (in.)</th>
<th>Color</th>
<th>Plug catalog no.</th>
<th>Connector catalog no.</th>
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<tbody>
<tr>
<td>Safety grip angled body</td>
<td>0.33-0.66&quot; (8.3-16.7mm)</td>
<td>BK &amp; W</td>
<td>AH8225HGA</td>
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**Color information:**
BK (Black), C (Clear), W (White)

### Hospital grade straight blade plugs & connectors

**Product description**
2-pole, 3-wire grounding
20A, 250V/AC
NEMA 6-20

<table>
<thead>
<tr>
<th>Rating</th>
<th>A</th>
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<th>Description</th>
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<td>BK &amp; W</td>
<td>AH8325HGA</td>
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<table>
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**Color information:**
BK (Black), C (Clear), W (White)

Compliances, specifications and availability are subject to change without notice.
### Industrial grade straight blade devices

#### Product description
2-pole, 3-wire grounding
15A, 125V/AC
NEMA 5-15

#### Industrial grade plugs & connectors

<table>
<thead>
<tr>
<th>Rating</th>
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<th>Description</th>
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<th>Color</th>
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<th>Connector catalog no.</th>
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<td>BK &amp; W</td>
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<td>AH5269</td>
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<td>Quick grip straight body</td>
<td>0.22-0.66&quot;</td>
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<td>AH5965BK</td>
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<td>AH5965Y</td>
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<td>Auto grip straight body</td>
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#### Industrial grade flanged inlets & outlets

<table>
<thead>
<tr>
<th>Rating</th>
<th>V/AC</th>
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<th>Description</th>
<th>Color</th>
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<th>Outlet catalog no.</th>
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</thead>
<tbody>
<tr>
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<td>Nylon construction, back wire</td>
<td>BK &amp; W</td>
<td>AH5278C</td>
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<td>Metal shell, back wire</td>
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<td>AH5278</td>
<td>AH5246</td>
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</tbody>
</table>

* UL and CSA Listed, † Fed Spec certified, ΔOnly NOM spec

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**Color information:**

- BK (Black)
- W (White)
- Y (Yellow)
- Steel

**Compliance:** Indicates NAFTA compliant - Page Q-32

**RoHS compliance:** Complies with RoHS - Page Q-32
Industrial grade devices

Industrial grade straight blade devices

Product description
2-pole, 3-wire grounding
20A, 125V/AC
NEMA 5-20

Industrial grade plugs & connectors

<table>
<thead>
<tr>
<th>Rating A</th>
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<th>NEMA</th>
<th>Description</th>
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<th>Color</th>
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<th>Connector catalog no.</th>
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<tr>
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<td>AH5366</td>
<td>AH5369</td>
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<td>Quick grip straight body</td>
<td>0.22-0.66” (5.6-16.7mm)</td>
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<td>AH5364BK</td>
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Industrial grade flanged inlets & outlets

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<th>Description</th>
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<tbody>
<tr>
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* UL Listed only

Industrial grade straight blade devices

Product description
2-pole, 3-wire grounding
15A, 250V/AC
NEMA 6-15

Industrial grade plugs & connectors

<table>
<thead>
<tr>
<th>Rating A</th>
<th>V/AC</th>
<th>NEMA</th>
<th>Description</th>
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<th>Connector catalog no.</th>
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<tr>
<td>15</td>
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<td>6-15</td>
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<td>AH5669</td>
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<td>Quick grip straight body</td>
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<td>AH5669_1</td>
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* Not NOM Spec

Industrial grade flanged inlets & outlets

<table>
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<tr>
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<th>Description</th>
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<th>Outlet catalog no.</th>
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</table>

* UL Listed only

Color information:
BK (Black), W (White), Y (Yellow)

Compliances, specifications and availability are subject to change without notice.

Indicates NAFTA compliant - Page Q-32
RoHS compliant - Page Q-32

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## Industrial grade devices

### Industrial grade straight blade devices

#### Product description

- **2-pole, 3-wire grounding**
- **20A, 250V/AC**
- **NEMA 6-20**

#### Industrial grade plugs & connectors

<table>
<thead>
<tr>
<th>Rating</th>
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<th>NEMA</th>
<th>Description</th>
<th>Cord diameter</th>
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<td>Quick grip straight body</td>
<td>0.22-0.66&quot; (5.6-16.7mm)</td>
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#### Industrial grade flanged inlets & outlets

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<tr>
<th>Rating</th>
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<th>NEMA</th>
<th>Description</th>
<th>Color</th>
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<tr>
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* UL Listed only

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### Industrial grade dimensional information: B-16, B-17

### Specification information:

- Safety grip industrial plugs & connectors: B-24
- Quick grip plugs & connectors: B-24
- Auto grip industrial plugs & connectors: B-24
- Industrial flanged inlets & flanged outlets: B-25

### Color information:

- **BK (Black)**, **W (White)**, **Y (Yellow)**

### Compliances, specifications and availability are subject to change without notice.

- Indicates NAFTA compliant - Page Q-32
- RoHS compliant - Page Q-32
Industrial grade devices

Industrial grade straight blade plugs & connectors

Product description
2-pole, 3-wire grounding
20A, 277V/AC
NEMA 7-20

<table>
<thead>
<tr>
<th>Rating</th>
<th>V/AC</th>
<th>NEMA</th>
<th>Description</th>
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Industrial grade straight blade plugs & connectors

Product description
3-pole, 3-wire non-grounding
20A, 125/250V/AC
NEMA 10-20

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<tr>
<th>Rating</th>
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<tr>
<td>20</td>
<td>125/250</td>
<td>10-20</td>
<td>Safety grip straight body</td>
<td>0.38&quot;-1.00&quot;</td>
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Industrial grade straight blade plugs & connectors

Product description
4-pole, 4-wire non-grounding
20A, 3ØY 120/208V/AC
NEMA 18-20

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<tr>
<th>Rating</th>
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<td>3ØY safety grip straight body</td>
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Color information:
BK (Black), W (White)

Industrial grade dimensional Information: B-16, B-17

Specification information:
Safety grip industrial plugs & connectors: B-24

Compliances, specifications and availability are subject to change without notice.

Indicates NAFTA compliant - Page Q-32
RoHS compliant - Page Q-32
Commercial grade devices

Commercial grade straight blade plugs & connectors

Product description
2-pole, 2-wire non-grounding
15A, 125V/AC
NEMA 1-15

<table>
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<tr>
<th>Rating</th>
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<th>Connector catalog no.</th>
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<tr>
<td>15</td>
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<td>4862</td>
<td>4882†</td>
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† Not NOM cert

Commercial grade straight blade plugs & connectors

Product description
2-pole, 3-wire grounding
15A, 125V/AC
NEMA 5-15

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<tr>
<th>Rating</th>
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<th>Connector catalog no.</th>
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Compliance, specifications and availability are subject to change without notice.

Color information:
W (White), Y (Yellow)

Commercial grade dimensional information: B-17

Specification information:
Commercial grade plugs & connectors: B-26

Indicates NAFTA compliant - Page Q-32
RoHS compliant - Page Q-32

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### Commercial grade devices

#### Commercial grade straight blade plugs & connectors

**Product description**
2-pole, 3-wire grounding
20A, 125V/AC
NEMA 5-20

<table>
<thead>
<tr>
<th>Rating</th>
<th>NEMA</th>
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<td>4228*</td>
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<td>Vinyl angled body</td>
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* UL and CSA Listed Only

#### Commercial grade straight blade plugs & connectors

**Product description**
2-pole, 2-wire grounding
15A, 250V/AC
NEMA 6-15

<table>
<thead>
<tr>
<th>Rating</th>
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* UL and CSA Listed Only

#### Commercial grade straight blade plugs & connectors

**Product description**
2-pole, 2-wire grounding
20A, 250V/AC
NEMA 6-20

<table>
<thead>
<tr>
<th>Rating</th>
<th>NEMA</th>
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<th>Color</th>
<th>Plug catalog no.</th>
<th>Connector catalog no.</th>
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<tbody>
<tr>
<td>20</td>
<td>6-20</td>
<td>Vinyl straight body</td>
<td>0.25-0.66&quot; (6.3-16.8mm)</td>
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<td>4229†</td>
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<td>Vinyl angled body</td>
<td>0.25-0.66&quot; (6.3-16.8mm)</td>
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<td>4509AN</td>
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</table>

† Not NOM cert, * UL Listed Only

#### Color information:

Y (Yellow)

Compliance information:

- NAFTA compliant - Page Q-32
- RoHS compliant - Page Q-32

Specifications, specifications and availability are subject to change without notice.
### Ultra grip plugs & connectors

<table>
<thead>
<tr>
<th>Family</th>
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<th>B</th>
<th>C</th>
<th>D</th>
<th>Cord diameter</th>
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</thead>
<tbody>
<tr>
<td>Ultra grip plug</td>
<td>1.38” (35.1mm)</td>
<td>2.07” (52.6mm)</td>
<td>1.69” (42.9mm)</td>
<td>1.55” (39.4mm)</td>
<td>0.25 - 0.66” (6.4-16.8mm)</td>
</tr>
<tr>
<td>Ultra grip connector</td>
<td>1.38” (35.1mm)</td>
<td>2.89” (73.4mm)</td>
<td>1.69” (42.9mm)</td>
<td>1.55” (39.4mm)</td>
<td>0.25 - 0.66” (6.4-16.8mm)</td>
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</tbody>
</table>

### Safety grip plugs

<table>
<thead>
<tr>
<th>Family</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Cord diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hospital grade</td>
<td>1.40” (35.6mm)</td>
<td>2.11” (53.6mm)</td>
<td>1.53” (38.9mm)</td>
<td>1.45” (36.8mm)</td>
<td>0.30-0.65” (7.6-16.6mm)</td>
</tr>
<tr>
<td>Hospital grade angled</td>
<td>1.39” (35.3mm)</td>
<td>1.29” (32.8mm)</td>
<td>1.52” (38.6mm)</td>
<td>2.09” (53.1mm)</td>
<td>0.30-0.65” (7.6-16.6mm)</td>
</tr>
<tr>
<td>Industrial grade angled</td>
<td>1.28” (32.5mm)</td>
<td>1.46” (37.1mm)</td>
<td>1.50” (38.1mm)</td>
<td>2.06” (52.3mm)</td>
<td>0.33-0.66” (8.3-16.7mm)</td>
</tr>
<tr>
<td>Industrial grade NEMA 7-20, 10-20 &amp; 18-20</td>
<td>1.78” (45.2mm)</td>
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<td>2.13” (54.1mm)</td>
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<td>0.38”-1.00” (9.6-25.4mm)</td>
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### Safety grip connectors

<table>
<thead>
<tr>
<th>Family</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Cord diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hospital grade</td>
<td>1.37” (34.8mm)</td>
<td>2.77” (70.4mm)</td>
<td>1.50” (38.1mm)</td>
<td>0.87” (22.1mm)</td>
<td>0.33-0.66” (8.3-16.7mm)</td>
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<tr>
<td>Industrial grade</td>
<td>1.37” (34.8mm)</td>
<td>2.77” (70.4mm)</td>
<td>1.50” (38.1mm)</td>
<td>0.87” (22.1mm)</td>
<td>0.33-0.66” (8.3-16.7mm)</td>
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### Quick grip plugs

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<thead>
<tr>
<th>Family</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Cord diameter</th>
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<tbody>
<tr>
<td>Hospital grade</td>
<td>1.47” (37.3mm)</td>
<td>2.77” (70.4mm)</td>
<td>1.67” (42.4mm)</td>
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<td>0.22-0.66” (5.6-16.7mm)</td>
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<tr>
<td>Industrial grade</td>
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### Quick grip connectors

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<th>D</th>
<th>Cord diameter</th>
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<tr>
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<td>2.59” (65.8mm)</td>
<td>1.67” (42.4mm)</td>
<td>–</td>
<td>0.22-0.66” (5.6-16.7mm)</td>
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### Auto grip plugs

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<th>Cord diameter</th>
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<tbody>
<tr>
<td>Hospital grade</td>
<td>1.38” (34.9mm)</td>
<td>1.83” (46.5mm)</td>
<td>1.52” (38.6mm)</td>
<td>–</td>
<td>0.33-0.66” (8.3-16.7mm)</td>
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<tr>
<td>Industrial grade</td>
<td>1.37” (34.8mm)</td>
<td>1.83” (46.5mm)</td>
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Compliances, specifications and availability are subject to change without notice.
### Nylon shell flanged inlets

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<tbody>
<tr>
<td>Industrial grade</td>
<td>2.56&quot;</td>
<td>1.84&quot;</td>
<td>1.71&quot;</td>
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<td>(65.0mm)</td>
<td>(46.7mm)</td>
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### Nylon shell flanged outlets

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### Metal shell flanged outlets

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### Commercial plugs

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### Commercial connectors

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Compliances, specifications and availability are subject to change without notice.
Industrial straight blade power devices features & benefits

- Rugged high-strength thermoplastic construction
- Neoprene gasket seals around cord for added terminal protection from external elements
- Angled plug versions have 4 possible positions for maximum convenience
- Quick-drive stainless steel assembly screws provide corrosion resistance and speed installation time
- Unique internal clamp design secures cord during assembly, reducing installation time
- Tapered cord grip cover reduces cord snags
- Broad selection of flanged inlets accept #12 AWG to #4 AWG conductors
- Variety of 30A, 50A and 60A configurations available

Compliances, specifications and availability are subject to change without notice.
Commercial straight blade power devices features & benefits

Universal plugs include blades for both 30A and 50A configurations of the same voltage.

Patented lay-in terminals accept up to #4 AWG wire.

Terminals have pressure plates to protect wires.

Back features concentric knockouts and an adjustable cord clamp to allow wiring from back or bottom.

Flush receptacles feature heavy gauge galvanized steel mounting strap and glass-reinforced nylon body.

Broad selection of wallplates available for flush receptacle mounting.

Surface receptacles can be wired for back or bottom wiring.

Variety of 30A, 50A and 60A configurations available.

Compliances, specifications and availability are subject to change without notice.

www.eaton.com
www.eaton.com/arrowhart
### Straight blade power devices

#### 20, 30, 50 & 60A

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<th>Rating: Amps V/AC</th>
<th>Receptacle/plug NEMA configuration</th>
<th>Wallplate</th>
<th>Surface receptacle</th>
<th>Panel mount receptacle</th>
<th>Plugs</th>
<th>Angle plugs</th>
<th>Connectors</th>
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### Straight blade power devices

**20, 30, 50 & 60A**

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<tr>
<th>Rating: Amps</th>
<th>Receptacle/plug NEMA configuration</th>
<th>Flush receptacles</th>
<th>Wallplate</th>
<th>Surface receptacle</th>
<th>Panel mount receptacle</th>
<th>Plugs</th>
<th>Angle plugs</th>
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**Compliance, specifications and availability are subject to change without notice.**

All products on this page are RoHS compliant - Page Q-32
## Straight blade power devices dimensional data

### Flush receptacles

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<tr>
<th>Family</th>
<th>A (Depth)</th>
<th>B (Face dia.)</th>
<th>C (Face dia.)</th>
<th>D (Depth)</th>
<th>E (Face dia.)</th>
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<tbody>
<tr>
<td>30 &amp; 1200 series</td>
<td>2.38&quot; (60.5mm)</td>
<td>1.81&quot; (46.0mm)</td>
<td>1.42&quot; (36.1mm)</td>
<td>2.50&quot; (63.5mm)</td>
<td>2.10&quot; (53.5mm)</td>
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<td>5000 &amp; 7000 series</td>
<td>2.38&quot; (60.5mm)</td>
<td>1.81&quot; (46.0mm)</td>
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<td>2.12&quot; (53.8mm)</td>
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<td>8000 series</td>
<td>2.38&quot; (60.5mm)</td>
<td>1.81&quot; (46.0mm)</td>
<td>1.69&quot; (42.9mm)</td>
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<td>2.38&quot; (60.5mm)</td>
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### Surface receptacles

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<tr>
<td>100 &amp; 1200 series</td>
<td>2.10&quot; (53.3mm)</td>
<td>4.75&quot; (120.7mm)</td>
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### Panel mount receptacles

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<td>58, 60</td>
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<td>1.69&quot; (42.9mm)</td>
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<td>80 &amp; 83</td>
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<td>S41 &amp; S42, S20 &amp; S21, S19</td>
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<td>4.30&quot; (109.2mm)</td>
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### Plugs

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<td>4500N, 5500N, 5700N, 8300N, 8400N, 9300N, 9400N, AH8400N series</td>
<td>3.34&quot;-3.81&quot; (84.8-96.8mm)</td>
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<td>3.12&quot; (79.2mm)</td>
<td>2.58&quot; (65.8mm)</td>
<td>2.58&quot; (65.8mm)</td>
<td>2.58&quot; (65.8mm)</td>
<td>2.58&quot; (65.8mm)</td>
</tr>
</tbody>
</table>

### Flanged inlets

<table>
<thead>
<tr>
<th>Family</th>
<th>A (Depth)</th>
<th>B (Face dia.)</th>
<th>C (Face dia.)</th>
<th>D (Depth)</th>
<th>E (Face dia.)</th>
<th>F (Face dia.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4500NFI, 5700NFI, 9300NFI series</td>
<td>2.72&quot; (69.1mm)</td>
<td>3.75&quot; (95.3mm)</td>
<td>2.81&quot; (71.4mm)</td>
<td>2.81&quot; (71.4mm)</td>
<td>2.81&quot; (71.4mm)</td>
<td>2.81&quot; (71.4mm)</td>
</tr>
</tbody>
</table>

Compliances, specifications and availability are subject to change without notice.
## Hospital grade plugs & connectors

### Product description

- **2-pole, 3-wire grounding**
- **15A, 125V/AC; 15A, 250V/AC; 20A, 125V/AC; 20A, 250V/AC**
- **NEMA 5-15, 6-15, 5-20, 6-20**

### Wiring type

<table>
<thead>
<tr>
<th>Device type</th>
<th>Hotel grade ultra safety plugs &amp; connectors, straight blade</th>
<th>Hospital grade plugs &amp; connectors</th>
<th>Hotel grade auto grip plugs &amp; connectors, straight blade</th>
<th>Hospital grade quick grip plugs &amp; connectors, straight blade</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Wiring type</strong></td>
<td>Back wire</td>
<td>Back wire</td>
<td>Back wire</td>
<td>Back wire</td>
</tr>
<tr>
<td><strong>Testing &amp; code compliance</strong></td>
<td>• Listed to UL498, file no. E3663</td>
<td>• Listed to UL498, file no. E3663</td>
<td>• Listed to UL498, file no. E15012</td>
<td>• Listed to UL498, file no. E15012</td>
</tr>
<tr>
<td>Plugs/connector outer shell</td>
<td>Plug/connector outer shell: Nylon, polycarbonate on C version</td>
<td>Plug/connector outer shell: Nylon</td>
<td>Plug/connector outer shell: Nylon</td>
<td>Plug/connector outer shell: Nylon</td>
</tr>
<tr>
<td>Interior body</td>
<td>Nylon</td>
<td>Nylon</td>
<td>Nylon</td>
<td>Nylon</td>
</tr>
<tr>
<td>Terminal retainer</td>
<td>Polycarbonate Blades: 0.080&quot; thick brass</td>
<td>Polycarbonate Blades: 0.065&quot; thick brass</td>
<td>Polypropylene Blades: 0.060&quot; thick brass</td>
<td>Polypropylene Blades: 0.060&quot; thick brass</td>
</tr>
<tr>
<td>Line contacts</td>
<td>0.030&quot; thick brass</td>
<td>Line contacts: 0.031&quot; thick brass</td>
<td>Line contacts: 0.031&quot; thick brass</td>
<td>Line contacts: 0.030&quot; thick brass</td>
</tr>
<tr>
<td>Terminal clamps</td>
<td>Galvanized steel</td>
<td>Steel, zinc plated</td>
<td>Galvanized steel</td>
<td>Steel, zinc plated</td>
</tr>
<tr>
<td>Terminal screws</td>
<td>#6-32 brass, nickel plated</td>
<td>#6-32 steel, brass plated (hot) and nickel plated (neutral)</td>
<td>#6-32 steel, brass plated</td>
<td>#6-32 steel, hot screw brass plated</td>
</tr>
<tr>
<td>Ground screw</td>
<td>#8-32 brass, green</td>
<td>Ground screw: #8-32 steel, zinc plated, green</td>
<td>Ground screw: #8-32 steel, green</td>
<td>Ground screw: #B-32 steel, green</td>
</tr>
<tr>
<td>Assembly/mounting screws</td>
<td>Steel</td>
<td>Assembly/mounting screws: Steel, nickel plated</td>
<td>Assembly/mounting screws: Steel</td>
<td>Assembly/mounting screws: Steel</td>
</tr>
<tr>
<td>Cord clamp</td>
<td>Nylon</td>
<td>Cord clamp: Polypropylene</td>
<td>Cord clamp: Nylon</td>
<td>Cord clamp: Nylon</td>
</tr>
<tr>
<td>Gasket/dust shield</td>
<td>EPDM</td>
<td>Gasket/dust shield: EPDM</td>
<td>Gasket/dust shield: EPDM</td>
<td>Gasket/dust shield: N/A</td>
</tr>
</tbody>
</table>

### Environmental specifications

| Flammability                  | Meets UL94 requirements; V2 rated                          | Meets UL94 requirements; V2 rated | Meets UL94 requirements; V2 rated | Meets UL94 requirements; V2 rated |
| Temperature rating            | -40ºC to 75ºC (40°F to 167ºF)                              | -40ºC to 75ºC (40°F to 167ºF)     | -40ºC to 75ºC (40°F to 167ºF)     | -40ºC to 75ºC (40°F to 167ºF)     |

### Electrical specifications

| Dielectric voltage           | Twice the device rating + 1000V per UL498                   | Twice the device rating + 1000V per UL498 | Twice the device rating + 1000V per UL498 | Twice the device rating + 1000V per UL498 |
| Current interrupting         | Yes, at full-rated current                                 | Yes, at full-rated current             | Yes, at full-rated current             | Yes, at full-rated current             |
| Temperature rise             | Max. 30ºC (86ºF) after 250 cycles of overload              | Max. 30ºC (86ºF) after 250 cycles of overload | Max. 30ºC (86ºF) after 250 cycles of overload | Max. 30ºC (86ºF) after 250 cycles of overload |

### Mechanical specifications

| Terminal accommodation      | #18 - #12 AWG                                             | #18 - #12 AWG                         | #18 - #12 AWG                             | #18 - #12 AWG                             |
| Voltage ratings             | Permanently marked on device                              | Permanently marked on device          | Permanently marked on device              | Permanently marked on device              |

### Materials

- **Plug/connector outer shell**: Nylon, polycarbonate on C version
- **Interior body**: Nylon
- **Terminal retainer**: Polycarbonate Blades: 0.065" thick brass
- **Line contacts**: 0.031" thick brass
- **Terminal clamps**: Steel, zinc plated
- **Terminal screws**: #6-32 steel, brass plated (hot) and nickel plated (neutral)
- **Ground screw**: #8-32 brass, green
- **Assembly/mounting screws**: Steel, nickel plated
- **Cord clamp**: Nylon
- **Gasket/dust shield**: EPDM

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Compliances, specifications and availability are subject to change without notice.

www.eaton.com
www.eaton.com/arrowhart

EATON 2016 Arrow Hart Buyers Guide

B-23
Industrial grade straight blade plugs & connectors

Product description
2-pole, 3-wire grounding; 3-pole, 3-wire non-grounding; 4-pole, 4-wire non-grounding
15A, 125V/AC; 15A, 250V/AC; 20A, 125V/AC; 20A, 250V/AC;
20A, 277V/AC; 20A, 125/250V/AC; 20A, 120/208V/AC;
NEMA 5-15, 5-20, 6-15, 6-20, 7-20, 10-20, 18-20

<table>
<thead>
<tr>
<th>Device type</th>
<th>Industrial grade ultra grip plugs &amp; connectors, straight blade</th>
<th>Industrial grade auto grip plugs &amp; connectors, straight blade</th>
<th>Industrial grade quick grip plugs &amp; connectors, straight blade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring type</td>
<td>Back wire</td>
<td>Back wire</td>
<td>Back wire</td>
</tr>
</tbody>
</table>
| Testing & code compliance | • cUlus Listed to UL498, file no. E3663  
• Complies with Fed Spec WC-596F  
• CSA certified to C22.2, no. 42-99  
file no. 7087 (6221-02)  
• 725IN: NOJ certified | • Listed to UL498, file no. E3663  
• UL verified to Fed Spec WC-596F except cat. no. 5266AN  
• CSA certified to C22.2, no. 42-99  
file no. 2081 (6221-02) | • cUlus Listed to UL498, file no. E15012  
• UL verified to Fed Spec WC-596G |
| Environmental specifications | Flammability: Meets UL94 requirements, V2 rated  
Temperature rating: -40ºC to 75ºC (-40ºF to 167ºF) | Flammability: Meets UL94 requirements, V2 rated  
Temperature rating: -40ºC to 75ºC (-40ºF to 167ºF) | Flammability: Meets UL94 requirements, V2 rated  
Temperature rating: -40ºC to 75ºC (-40ºF to 167ºF) |
| Electrical specifications | Dielectric voltage: Twice the device rating + 1000V per UL498  
Current interrupting: Yes, at full-rated current  
Temperature rise: Max. 30ºC (86ºF) after 200 cycles of overload @ 200% of rated current (DC) | Dielectric voltage: Twice the device rating + 1000V per UL498  
Current interrupting: Yes, at full-rated current  
Temperature rise: Max. 30ºC (86ºF) after 50 cycles of overload @ 150% of rated current (DC) | Dielectric voltage: Twice the device rating + 1000V per UL498  
Current interrupting: Yes, at full-rated current  
Temperature rise: Max. 30ºC (86ºF) after 100 cycles of overload @ 150% of rated current (DC) |
| Mechanical specifications | Terminal accommodation: #16 - #12 AWG, except 7624N, 9151N, 725IN: #18 - #10 AWG  
Voltage ratings: Permanently marked on device | Terminal accommodation: #16 - #12 AWG  
Voltage ratings: Permanently marked on device | Terminal accommodation: #18 - #12 AWG  
Voltage ratings: Permanently marked on device |
| Materials | Plug/connector outer shell: Nylon  
Interior body: Nylon  
Terminal retainer: Polycarbonate  
Blades: 0.065" thick brass  
Line contacts: 0.031" thick brass  
Terminal clamps: Steel, zinc plated  
Terminal screws: #8-32 brass, nickel plated  
Ground contact: 0.041" thick brass  
Ground screw: #8-32 brass, zinc plated, green  
Assembly/mounting screws: Steel, zinc plated  
Cord clamp: Nylon  
Cord clamp screws: Steel, zinc plated  
Gasket/dust shield: Neoprene | Plug/connector outer shell: Nylon  
Interior body: Nylon  
Terminal retainer: Polycarbonate  
Blades: 0.065" thick brass  
Line contacts: 0.031" thick brass  
Terminal clamps: Steel, zinc plated  
Terminal screws: #8-32 brass, nickel plated  
Ground contact: 0.041" thick brass  
Ground screw: #8-32 brass, zinc plated, green  
Assembly/mounting screws: Steel, zinc plated  
Cord clamp: Polypropylene  
Cord clamp screws: N/A  
Gasket/dust shield: Neoprene | Plug/connector outer shell: Nylon  
Interior body: N/A  
Terminal retainer: Polycarbonate  
Blades: 0.060" thick brass  
Line contacts: 0.030" thick brass  
Terminal clamps: Steel, zinc plated  
Terminal screws: Steel, brass plated (hot) and zinc plated (neutral)  
Ground contact: Brass  
Ground screw: Steel, zinc plated, green  
Assembly/mounting screws: Steel, zinc plated  
Cord clamp: Nylon  
Cord clamp screws: N/A  
Gasket/dust shield: N/A |

Compliances, specifications and availability are subject to change without notice.
Industrial grade straight blade flanged inlets & outlets specification & performance data

Industrial grade flanged inlets & outlets

**Product description**
2-pole, 3-wire grounding
15A, 125V/AC; 15A, 250V/AC; 20A, 125V/AC; 20A, 250V/AC
NEMA 5-15, 5-20, 6-15, 6-20

<table>
<thead>
<tr>
<th>Device type</th>
<th>Industrial grade flanged inlets, straight blade</th>
<th>Industrial grade flanged outlets, straight blade</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Wiring type</strong></td>
<td>Side wire</td>
<td>Side wire</td>
</tr>
<tr>
<td><strong>Testing &amp; code compliance</strong></td>
<td>• Listed to UL498, file no. E3663</td>
<td>• Listed to UL498, file no. E2989</td>
</tr>
<tr>
<td></td>
<td>• cUL Listed to CSA C22.2, no. 42-M1999</td>
<td>• CSA certified to C22.2, no. 42-98 &amp;</td>
</tr>
<tr>
<td></td>
<td>• 5278C, 5678C: also NOM certified</td>
<td>182.3-M1997 file no. 7087 (8233-01)</td>
</tr>
<tr>
<td><strong>Environmental specifications</strong></td>
<td>Flammability: Meets UL94 requirements, V2 rated</td>
<td>Flammability: Meets UL94 requirements, V2 rated</td>
</tr>
<tr>
<td></td>
<td>Temperature rating: -40°C to 105°C (-40°F to 221°F)</td>
<td>Temperature rating: -40°C to 105°C (-40°F to 221°F)</td>
</tr>
<tr>
<td><strong>Electrical specifications</strong></td>
<td>Dielectric voltage: Twice the device rating + 1000V per UL498</td>
<td>Dielectric voltage: Twice the device rating + 1000V per UL498</td>
</tr>
<tr>
<td></td>
<td>Current interrupting: Yes, at full-rated current</td>
<td>Current interrupting: Yes, at full-rated current</td>
</tr>
<tr>
<td></td>
<td>Temperature rise: Max. 30°C (86°F) after 100 cycles of overload @ 150% of rated current (DC)</td>
<td>Temperature rise: Max. 30°C (86°F) after 100 cycles of overload @ 150% of rated current (DC)</td>
</tr>
<tr>
<td><strong>Mechanical specifications</strong></td>
<td>Terminal accommodation: #14 AWG</td>
<td>Terminal accommodation: #14 AWG</td>
</tr>
<tr>
<td></td>
<td>Voltage ratings: Permanently marked on device</td>
<td>Voltage ratings: Permanently marked on device</td>
</tr>
<tr>
<td><strong>Materials</strong></td>
<td>Outer shell: Nylon, except 5278C: steel</td>
<td>Outer shell: Nylon, except 5248C: steel</td>
</tr>
<tr>
<td></td>
<td>Interior body: Lexan, except 5278C: urea</td>
<td>Interior body: Lexan, except 5248C: nylon</td>
</tr>
<tr>
<td></td>
<td>Terminal retainer: Lexan, except 5278C: urea</td>
<td>Terminal retainer: Lexan, except 5248C: nylon</td>
</tr>
<tr>
<td></td>
<td>Blades: 0.062” thick brass, except 5278C: 0.040”</td>
<td>Blades: 0.062” thick brass</td>
</tr>
<tr>
<td></td>
<td>Line contacts: 0.062” thick brass</td>
<td>Line contacts: 0.062” thick brass</td>
</tr>
<tr>
<td></td>
<td>Terminal clamps: Brass</td>
<td>Terminal clamps: Brass</td>
</tr>
<tr>
<td></td>
<td>Terminal screws: #8-32 steel, brass plated (hot) or nickel plated (neutral), except 5278C: #6-32</td>
<td>Terminal screws: #8-32 steel, brass plated (hot) or nickel plated (neutral)</td>
</tr>
<tr>
<td></td>
<td>Ground screw: #8-32 brass, zinc plated, green, except 5278C: #6-40</td>
<td>Ground screw: #8-32 brass, zinc plated, green</td>
</tr>
<tr>
<td></td>
<td>Assembly screws/rivets: Steel screws, except 5278C: steel rivets, zinc plated</td>
<td>Assembly screws/rivets: Steel screws, except 5248C: brass rivets</td>
</tr>
</tbody>
</table>

Compliances, specifications and availability are subject to change without notice.

All products on this page are RoHS compliant - Page Q-32
Commercial grade plugs & connectors

Product description
2-pole, 2-wire non-grounding; 2-pole, 3-wire grounding
15A, 125V/AC; 15A, 250V/AC; 20A, 125V/AC; 20A, 250V/AC
NEMA 1-15, 5-15, 5-20, 6-15, 6-20

<table>
<thead>
<tr>
<th>Device type</th>
<th>Commercial grade vinyl plugs &amp; connectors, straight blade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring type</td>
<td>Back wire</td>
</tr>
</tbody>
</table>
| Testing & code compliance | • Listed to UL498, file no. E15012  
• CSA certified to C22.2, no. 42-89 file no. 2081 (6221-02)  
• NOM certified, except 4882, 4862ANW |
| Environmental specifications | Flammability: Meets UL94 requirements, V2 rated  
Temperature rating: -20ºC to 60ºC (-4ºF to 140ºF) |
| Electrical specifications | Dielectric voltage: Twice the device rating + 1000V per UL498  
Current interrupting: Yes, at full-rated current  
Temperature rise: Max. 30ºC (86ºF) after 50 cycles of overload @ 150% of rated current (DC) |
| Mechanical specifications | Terminal accommodation: #18 - #12 AWG  
Voltage ratings: Permanently marked on device |
| Materials | Plug/connector outer shell: Polypropylene  
Interior body: Polypropylene, except 4220, 4880 series: vinyl  
Terminal retainer: Polypropylene  
Blades: 0.058” thick brass  
Line contacts: 0.030” thick brass  
Terminal clamps: Steel, zinc plated  
Terminal screws: #6-40 steel, brass plated (hot) and zinc plated (neutral)  
Ground screw: #6-40 steel, zinc plated, green  
Assembly screws: Steel, zinc plated  
Cord clamp screws: Steel, zinc plated  
Cord clamp: Polypropylene |
## Industrial grade power devices

### Product description

2-pole, 3-wire grounding; 3-pole, 3-wire non-grounding; 4-pole, 4-wire grounding
15A, 125V/AC, 250V/AC; 20A 125 V/AC, 250 V/AC, 277 V/AC; 20A 125/250V/AC; 20A, 3ØY, 120/208V/AC
NEMA 5-15, 5-20, 6-15, 6-20, 7-20, 10-20, 12-20, 18-20

### Device type

<table>
<thead>
<tr>
<th>Device type</th>
<th>Industrial power plugs &amp; connectors, straight blade</th>
<th>Industrial power receptacles, straight blade</th>
<th>Industrial power inlets, straight blade</th>
</tr>
</thead>
</table>

#### Wiring type

- Back wire
- Listed to UL498, file no. E3863
- Listed to UL498, file no. E3863
- cUL Listed to CSA C22.2, no. 42-M1999
- Back wire
- cULus Listed to UL 498, file no. E3863
- UL verified to Fed Spec WC-596G
- cUL Listed to CSA C22.2, no. 42-M1999

#### Testing & code compliance

- Listed to UL498, file no. E3863
- UL verified to Fed Spec WC-596G
- CSA certified to C22.2, no. 42-M1999

#### Environmental specifications

- Flammability: Meets UL94 requirements, V0 rated
- Temperature rating: -20ºC to 75ºC (-4ºF to 167ºF)
- Flammability: Meets UL94 requirements, V0 rated
- Temperature rating: -20ºC to 75ºC (-4ºF to 167ºF)
- Flammability: Meets UL94 requirements; flanged housing: V0 rated, all other components: V2 rated
- Temperature rating: -40ºC to 75ºC (-40ºF to 167ºF)

#### Electrical specifications

- Dielectric voltage: Twice the device rating + 1000V per UL498
- Current interrupting: Yes, at full-rated current
- Temperature rise: Max. 30ºC (86ºF) after 50 cycles of overload @ 150% of rated current (DC)
- Dielectric voltage: Twice the device rating + 1000V per UL498
- Current interrupting: Yes, at full-rated current
- Temperature rise: Max. 30ºC (86ºF) after 50 cycles of overload @ 150% of rated current (DC)
- Dielectric voltage: Twice the device rating + 1000V per UL498
- Current interrupting: Yes, at full-rated current
- Temperature rise: Max. 30ºC (86ºF) after 50 cycles of overload @ 150% of rated current (DC)

#### Mechanical specifications

- Terminal accommodation: #12 - #4 AWG
- Voltage ratings: Permanently marked on device
- Terminal accommodation: #12 - #4 AWG
- Voltage ratings: Permanently marked on device
- Terminal accommodation: #12 - #4 AWG
- Voltage ratings: Permanently marked on device

#### Materials

<table>
<thead>
<tr>
<th>Materials</th>
<th>Industrial power plugs &amp; connectors, straight blade</th>
<th>Industrial power receptacles, straight blade</th>
<th>Industrial power inlets, straight blade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receptacle base</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Receptacle face</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Receptacle strap</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Plug/connector outer shell or flanged housing</td>
<td>Nylon</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Interior body</td>
<td>Nylon</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Terminal retainer</td>
<td>Nylon</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Blades</td>
<td>0.100” thick brass</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Line contacts</td>
<td>0.100” thick brass</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Ground shunt</td>
<td>0.080” thick brass</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Terminal clamps</td>
<td>Brass box lug</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Terminal screws</td>
<td>3/8-27 brass</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Ground contact</td>
<td>0.042” thick bronze</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Ground screw</td>
<td>3/8-27 brass</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Assembly screws</td>
<td>#6 steel, zinc plated</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Mounting screws</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Receptacle mounting plate</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Gasket/dust shield</td>
<td>Neoprene</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Receptacle base</td>
<td>Nylon</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Receptacle face</td>
<td>Nylon</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Receptacle strap</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Plug/connector outer shell or flanged housing</td>
<td>Nylon</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Interior body</td>
<td>Nylon</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Terminal retainer</td>
<td>Nylon</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Blades</td>
<td>0.100” thick brass</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Line contacts</td>
<td>0.050” thick 90-10 bronze</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Ground shunt</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Terminal clamps</td>
<td>Brass</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Terminal screws</td>
<td>3/8-27 brass</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Ground contact</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Ground screw</td>
<td>3/8-27 brass</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Assembly screws</td>
<td>#6 steel, zinc plated</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Mounting screws</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Receptacle mounting plate</td>
<td>0.050” thick steel, Cr over zinc plated</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Gasket/dust shield</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Compliances, specifications and availability are subject to change without notice.

All products on this page are RoHS compliant - Page Q-32
## Commercial grade power devices

### Product description
2-pole, 3-wire grounding; 3-pole, 3-wire non-grounding; 3-pole, 4-wire grounding; 4-pole, 4-wire non-grounding

20A, 125/250VAC; 30A, 125V/AC, 250V/AC; 50A 125V/AC, 250V/AC; 60A 125/250V/AC

NEMA 5-30, 5-50, 6-30, 6-50, 10-20, 10-30, 10-50, 14-30, 14-50, 14-60, TT-30

---

### Electrical specifications

<table>
<thead>
<tr>
<th>Device type</th>
<th>Commercial power plugs, straight blade</th>
<th>Commercial power flush receptacles, straight blade</th>
<th>Commercial power surface receptacles, straight blade</th>
<th>Commercial power panel mount receptacles, straight blade</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Wiring type</strong></td>
<td>Back wire</td>
<td>Back wire</td>
<td>Back wire</td>
<td>Back wire</td>
</tr>
<tr>
<td><strong>Testing &amp; code compliance</strong></td>
<td>• S41, S42, S80: Listed to UL498 file no. E15058&lt;br&gt;• S19, S28, S21: cUL Listed to UL 498 file no. E15012&lt;br&gt;• S41, S42: CSA certified to C22.2, no. 42, file no. 2081 (6221-82)&lt;br&gt;• NOM certified</td>
<td>• Listed to UL498, file no. E15058&lt;br&gt;• CSAs to C22.2, no. 42, file no. 6914 (6233-81)&lt;br&gt;• NOM certified</td>
<td>• Listed to UL498, file no. E15058&lt;br&gt;• CSAs to C22.2, no. 42, file no. 6914 (6233-81)&lt;br&gt;• NOM certified</td>
<td>• Listed to UL498, file no. E15058&lt;br&gt;• CSAs to C22.2, no. 42, file no. 6914 (6233-81)&lt;br&gt;• NOM certified</td>
</tr>
<tr>
<td><strong>Environmental specifications</strong></td>
<td>Flammability: Meets UL94 requirements, V0 rated&lt;br&gt;Temperature rating: -20ºC to 60ºC (-4ºF to 140ºF)&lt;br&gt;Temperature rating: -20ºC to 75ºC (-4ºF to 167ºF)&lt;br&gt;Current interrupting: Yes, at full-rated current&lt;br&gt;Temperature rise: Max. 30ºC (86ºF) after 50 cycles of overload @ 150% of rated current (DC)&lt;br&gt;Dielectric voltage: Twice the device rating + 1000V per UL498&lt;br&gt;Voltage ratings: #10 - #4 AWG</td>
<td>Flammability: Meets UL94 requirements, V0 rated&lt;br&gt;Temperature rating: -20ºC to 75ºC (-4ºF to 167ºF)&lt;br&gt;Current interrupting: Yes, at full-rated current&lt;br&gt;Temperature rise: Max. 30ºC (86ºF) after 50 cycles of overload @ 150% of rated current (DC)&lt;br&gt;Dielectric voltage: Twice the device rating + 1000V per UL498&lt;br&gt;Voltage ratings: #10 - #4 AWG</td>
<td>Flammability: Meets UL94 requirements, V0 rated&lt;br&gt;Temperature rating: -20ºC to 75ºC (-4ºF to 167ºF)&lt;br&gt;Current interrupting: Yes, at full-rated current&lt;br&gt;Temperature rise: Max. 30ºC (86ºF) after 50 cycles of overload @ 150% of rated current (DC)&lt;br&gt;Dielectric voltage: Twice the device rating + 1000V per UL498&lt;br&gt;Voltage ratings: #10 - #4 AWG</td>
<td>Flammability: Meets UL94 requirements, V0 rated&lt;br&gt;Temperature rating: -20ºC to 75ºC (-4ºF to 167ºF)&lt;br&gt;Current interrupting: Yes, at full-rated current&lt;br&gt;Temperature rise: Max. 30ºC (86ºF) after 50 cycles of overload @ 150% of rated current (DC)&lt;br&gt;Dielectric voltage: Twice the device rating + 1000V per UL498&lt;br&gt;Voltage ratings: #10 - #4 AWG</td>
</tr>
<tr>
<td><strong>Mechanical specifications</strong></td>
<td>Terminal accommodation: S10, S20, S21: #10 - #4 AWG&lt;br&gt;S41, S42: #10 - #6 AWG&lt;br&gt;S80: #10 - #6 AWG</td>
<td>Terminal accommodation: #10 - #4 AWG</td>
<td>Terminal accommodation: #10 - #4 AWG</td>
<td>Terminal accommodation: #10 - #4 AWG</td>
</tr>
<tr>
<td><strong>Materials</strong></td>
<td>Receptacle base: N/A&lt;br&gt;Receptacle face: N/A&lt;br&gt;Plug/connector outer shell: PVC&lt;br&gt;Blades: 0.096” thick brass&lt;br&gt;Line contacts: N/A</td>
<td>Receptacle base: Urea&lt;br&gt;Receptacle face: Urea&lt;br&gt;Plug/connector outer shell: N/A&lt;br&gt;Blades: N/A&lt;br&gt;Line contacts: 0.040” thick 260 brass&lt;br&gt;Terminal clamps: 0.072” thick steel with SCR&lt;br&gt;Terminal screws: 5/16-24 steel&lt;br&gt;Ground contact: 0.032” thick brass&lt;br&gt;Ground screw: 5/16-24 steel</td>
<td>Receptacle base: Urea&lt;br&gt;Receptacle face: Polypropylene&lt;br&gt;Plug/connector outer shell: N/A&lt;br&gt;Blades: N/A&lt;br&gt;Line contacts: 0.040” thick brass, solder plated&lt;br&gt;Terminal clamps: 0.083” thick brass&lt;br&gt;Terminal screws: 1/4-20 steel&lt;br&gt;Ground contact: 0.032” thick brass&lt;br&gt;Ground screw: 1/4-20 steel, zinc plated</td>
<td>Receptacle base: Urea&lt;br&gt;Receptacle face: N/A&lt;br&gt;Plug/connector outer shell: N/A&lt;br&gt;Blades: N/A&lt;br&gt;Line contacts: 0.045” thick brass, tin plated&lt;br&gt;Terminal clamps: 0.013” thick steel&lt;br&gt;Terminal screws: 1/4-28&lt;br&gt;Ground contact: 0.032” thick brass&lt;br&gt;Ground screw: 1/4-28 steel, zinc plated</td>
</tr>
</tbody>
</table>
## Commercial power devices

### Product description

- **2-pole, 3-wire grounding**: 30A, 125V/AC, NEMA TT-30
- **3-pole, 3-wire non-grounding**: 20A, 125/250V/AC, NEMA 10-20
- **3-pole, 4-wire grounding**: 20A, 125/250V/AC, NEMA 14-20

### Commercial power devices specification & performance data

#### Device type

<table>
<thead>
<tr>
<th>Device type</th>
<th>Commercial power plugs, straight blade, NEMA 10-20, Cat. no. 2836</th>
<th>Commercial power flush receptacles, straight blade, NEMA 10-20, Cat. no. 905</th>
<th>Commercial power NEMA TT-30 plug &amp; adapter, straight blade, Cat. nos. 83, 1264</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring type</td>
<td>Back wire</td>
<td>Side wire</td>
<td>Back wire</td>
</tr>
<tr>
<td>Testing &amp; code compliance</td>
<td>* Listed to UL498 file no. E15012</td>
<td>* Listed to UL498 file no. E15058</td>
<td>* Listed to UL498 file no. E15012</td>
</tr>
<tr>
<td>Environmental Specifications</td>
<td><strong>Flammability</strong>: Withstands 1500V per UL498</td>
<td><strong>Flammability</strong>: Withstands 1500V per UL498</td>
<td><strong>Flammability</strong>: Withstands 1500V per UL498</td>
</tr>
<tr>
<td>Temperature rating:</td>
<td>Yes, at full-rated current</td>
<td>Yes, at full-rated current</td>
<td>Temperature rating: 20°C to 75°C (-4°F to 167°F)</td>
</tr>
<tr>
<td>Electrical specifications</td>
<td><strong>Dielectric voltage</strong>: Twice the device rating + 1000V per UL498</td>
<td><strong>Dielectric voltage</strong>: ≤300V: 2000V, 301-600V: 3000V per UL498</td>
<td><strong>Dielectric voltage</strong>: Twice the device rating + 1000V per UL498</td>
</tr>
<tr>
<td>Current interrupting:</td>
<td>Yes, at full-rated current</td>
<td>Yes, at full-rated current</td>
<td>Current interrupting: Yes, at full-rated current</td>
</tr>
<tr>
<td>Temperature rise:</td>
<td>Max. 30°C (88°F) after 100 cycles of overload @ 150% of rated current (DC)</td>
<td>Temperature rise: Max. 30°C (88°F) after 100 cycles of overload @ 150% of rated current (DC)</td>
<td>Temperature rise: Max. 30°C (88°F) after 100 cycles of overload @ 150% of rated current (DC)</td>
</tr>
<tr>
<td>Mechanical specifications</td>
<td>Terminal accommodation: #14 - #10 AWG</td>
<td>Terminal accommodation: #14 - #10 AWG</td>
<td>Terminal accommodation: #8 - #10 AWG</td>
</tr>
<tr>
<td>Voltage ratings:</td>
<td>Permanently marked on device</td>
<td>Permanently marked on device</td>
<td>Permanently marked on device</td>
</tr>
<tr>
<td>Materials</td>
<td>Receptacle base: N/A</td>
<td>Receptacle base: Urea</td>
<td>Receptacle base: N/A</td>
</tr>
<tr>
<td></td>
<td>Receptacle face: N/A</td>
<td>Receptacle face: Urea</td>
<td>Receptacle face: N/A</td>
</tr>
<tr>
<td></td>
<td>Receptacle strap: N/A</td>
<td>Receptacle strap: 0.050&quot; thick steel, galvanized</td>
<td>Receptacle strap: N/A</td>
</tr>
<tr>
<td>Plug/connector outer shell:</td>
<td>Steel, zinc-plated</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Interior body:</td>
<td>PVC</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Blades:</td>
<td>0.072&quot; thick brass</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Line contacts:</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Terminal clamps:</td>
<td>Steel, zinc-plated</td>
<td>Steel, zinc-plated</td>
<td>Steel, zinc-plated</td>
</tr>
<tr>
<td>Terminal screws:</td>
<td>#6-40 brass</td>
<td>#6-32 steel, zinc plated</td>
<td>#6-32 steel, zinc plated</td>
</tr>
<tr>
<td>Ground contact:</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Ground screw:</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Assembly/mounting screws:</td>
<td>#5-20 steel, zinc plated</td>
<td>Steel, zinc plated</td>
<td>Steel, zinc plated</td>
</tr>
<tr>
<td>Cord clamp insert:</td>
<td>PVC</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Cord clamp screws:</td>
<td>#6-32 steel, zinc plated</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Cord clamp:</td>
<td>Steel, zinc plated</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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