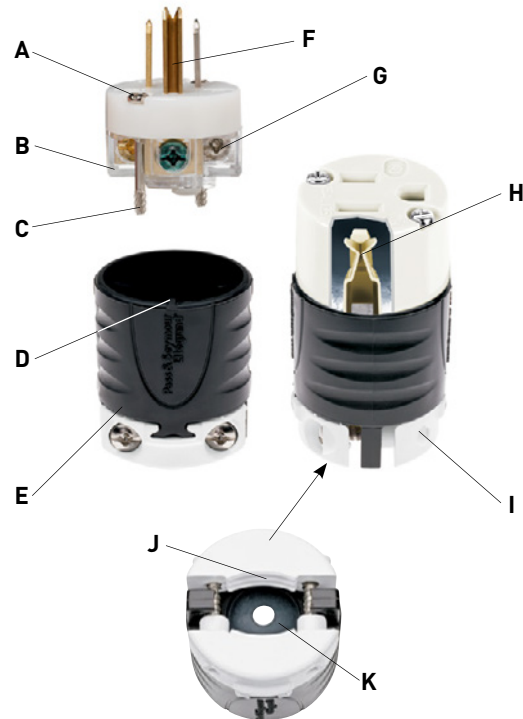


# STRAIGHT BLADE PLUGS & CONNECTORS

## PS5266X & PS5269X Straight Blade Plugs & Connectors - EHU

- A. Quick-thread assembly screws** and cord-grip screws come backed-out, ready-to-wire.
- B. See-through, thermoplastic terminal chamber** for clear view of terminals and wire connections.
- C. Tapered wire wells** guide conductors into captivated, staked clamping nuts.
- D. Housing is keyed** for fast alignment with terminal section.
- E. Chemical- and impact-resistant nylon housing** features horizontal, easy-grip ribs on back body.
- F. Industrial-strength, brass alloy plug blades** and connector contacts resist heat rise, provide excellent conductivity; ground pin is reinforced for added strength and safety.
- G. Color-coded terminal screws** are positioned on same plane and backed-out for fast installation.
- H. Double-wipe, firm-grip ground contact and triple-wipe power contacts** guarantee a superior connection.
- I. Recessed cord-grip screw** reduces screwdriver slippage, improves safety.
- J. Rugged external two-piece cord grip** provides uniform pressure for superior retention of conductors.
- K. Internal dust shield** keeps terminals free of contaminants.



# STRAIGHT BLADE PLUGS & CONNECTORS

## NEMA Configurations

### Straight Blade Plugs & Receptacles

|                                     |    | 15 Ampere                                                                               |                                                                                         | 20 Ampere                                                                                  |                                                                                            | 30 Ampere                                                                                  |                                                                                              | 50 Ampere                                                                                    |                                                                                              | 60 Ampere                                                                                    |                                                                                              |
|-------------------------------------|----|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
|                                     |    | Receptacle                                                                              | Plug                                                                                    | Receptacle                                                                                 | Plug                                                                                       | Receptacle                                                                                 | Plug                                                                                         | Receptacle                                                                                   | Plug                                                                                         | Receptacle                                                                                   | Plug                                                                                         |
| <b>2 POLE, 2 WIRE NON-GROUNDING</b> |    |                                                                                         |                                                                                         |                                                                                            |                                                                                            |                                                                                            |                                                                                              |                                                                                              |                                                                                              |                                                                                              |                                                                                              |
| 125V                                | 1  | 1-15R  | 1-15P  |                                                                                            |                                                                                            |                                                                                            |                                                                                              |                                                                                              |                                                                                              |                                                                                              |                                                                                              |
|                                     | 2  |                                                                                         |                                                                                         |                                                                                            |                                                                                            |                                                                                            |                                                                                              |                                                                                              |                                                                                              |                                                                                              |                                                                                              |
| <b>2 POLE, 3 WIRE GROUNDING</b>     |    |                                                                                         |                                                                                         |                                                                                            |                                                                                            |                                                                                            |                                                                                              |                                                                                              |                                                                                              |                                                                                              |                                                                                              |
| 125V                                | 5  | 5-15R  | 5-15P  | 5-20R     | 5-20P     | 5-30R     | 5-30P     | 5-50R     | 5-50P     |                                                                                              |                                                                                              |
|                                     | 6  | 6-15R  | 6-15P  | 6-20R     | 6-20P     | 6-30R     | 6-30P     | 6-50R     | 6-50P     |                                                                                              |                                                                                              |
| 277VAC                              | 7  | 7-15R  | 7-15P  | 7-20R     | 7-20P     | N/A                                                                                        | 7-30P     | N/A                                                                                          | 7-50P     |                                                                                              |                                                                                              |
|                                     |    |                                                                                         |                                                                                         |                                                                                            |                                                                                            |                                                                                            |                                                                                              |                                                                                              |                                                                                              |                                                                                              |                                                                                              |
| <b>3 POLE, 3 WIRE NON-GROUNDING</b> |    |                                                                                         |                                                                                         |                                                                                            |                                                                                            |                                                                                            |                                                                                              |                                                                                              |                                                                                              |                                                                                              |                                                                                              |
| 125/250V                            | 10 |                                                                                         |                                                                                         | 10-20R    | 10-20P    | 10-30R    | 10-30P      | 10-50R    | 10-50P    |                                                                                              |                                                                                              |
|                                     |    |                                                                                         |                                                                                         |                                                                                            |                                                                                            |                                                                                            |                                                                                              |                                                                                              |                                                                                              |                                                                                              |                                                                                              |
| <b>3 POLE, 4 WIRE GROUNDING</b>     |    |                                                                                         |                                                                                         |                                                                                            |                                                                                            |                                                                                            |                                                                                              |                                                                                              |                                                                                              |                                                                                              |                                                                                              |
| 125/250V                            | 14 |                                                                                         |                                                                                         | 14-20R  | 14-20P  | 14-30R  | 14-30P  | 14-50R  | 14-50P  | N/A                                                                                          | 14-60P  |
|                                     | 15 |                                                                                         |                                                                                         |                                                                                            | 15-20P  | 15-30R  | 15-30P  | 15-50R  | 15-50P  | 15-60R  | 15-60P  |
| <b>4 POLE, 4 WIRE NON-GROUNDING</b> |    |                                                                                         |                                                                                         |                                                                                            |                                                                                            |                                                                                            |                                                                                              |                                                                                              |                                                                                              |                                                                                              |                                                                                              |
| 3ØY<br>120/208V                     | 18 |                                                                                         |                                                                                         | 18-20R  | 18-20P  |                                                                                            |                                                                                              |                                                                                              |                                                                                              | 18-60R  | 18-60P  |
|                                     |    |                                                                                         |                                                                                         |                                                                                            |                                                                                            |                                                                                            |                                                                                              |                                                                                              |                                                                                              |                                                                                              |                                                                                              |

### Labels and Their Meanings

|                |                |
|----------------|----------------|
| <b>X, Y, Z</b> | Hot Lead       |
| <b>W</b>       | Neutral Lead   |
| <b>G</b>       | Grounding Lead |

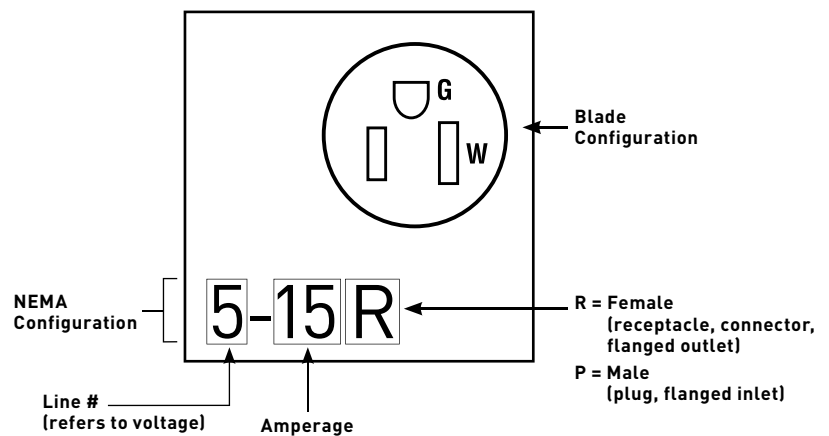
#### Open Slots

Indicate receptacle configurations (female).



#### Closed Slots

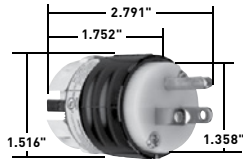
Indicate plug blade configurations (male).



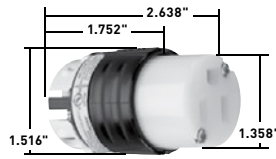
# STRAIGHT BLADE PLUGS & CONNECTORS

## Extra-Hard Use Ground Continuity Monitoring (GCM) Plugs & Connectors

2 Pole, 3 Wire Grounding 15 & 20A, 125 & 250V



PS5266XGCM

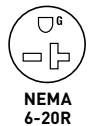
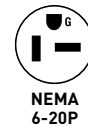
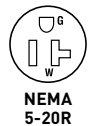
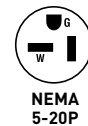
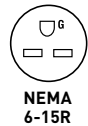
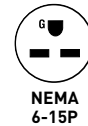
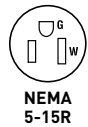


PS5269XGCM

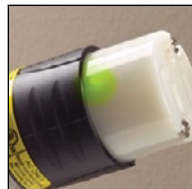
### Features – Extra-Hard Use (EHU) Straight Blade GCM

- Integral indication of ground continuity and power status. Continuous monitoring enhances personnel safety and adds convenience.
- Dual, bright LED indicators with 360° visibility. Green LEDs indicate proper ground continuity and power status. Red LEDs indicate ground continuity loss or reversed polarity. No LED indicates open hot, open neutral, or hot to ground cross. For 250V configurations: Hot to ground cross will be indicated by a green and red LED.
- Chemical- and impact-resistant nylon housing features horizontal, easy-grip ribs on back body.
- Exclusive two-piece cord grip accepts a wide range of cord widths. Provides more consistent pressure for superior conductor retention.
- Internal dust shield keeps terminals free of contaminants.
- Recessed cord-grip screw reduces screwdriver slippage, improves safety. Quick-thread tri-drive assembly and cord-grip screws come backed-out and ready-to-wire.
- Color-coded terminal screws are positioned on the same plane and backed-out for fast installation.
- Industrial-strength, brass alloy plug blades and connector contacts resist heat rise, provide excellent conductivity.

| CATALOG NUMBER | RATING |     | DESCRIPTION                | CORD DIAMETER | NEMA CONFIG. NO. | 3rd PARTY COMPLIANCE |            |
|----------------|--------|-----|----------------------------|---------------|------------------|----------------------|------------|
|                | A.     | V.  |                            |               |                  | cULus                | FSUL WC596 |
| EHU – GCM      |        |     |                            |               |                  |                      |            |
| PS5266XGCM     | 15     | 125 | Plug, Black & White        | .230"-.720"   | 5-15P            | •                    | •          |
| PS5266XGCMAN   | 15     | 125 | Angled Plug, Black & White | .320"-.655"   | 5-15P            | •                    | •          |
| PS5269XGCM     | 15     | 125 | Connector, Black & White   | .230"-.720"   | 5-15R            | •                    | •          |
| PS5366XGCM     | 20     | 125 | Plug, Black & White        | .230"-.720"   | 5-20P            | •                    | •          |
| PS5366XGCMAN   | 20     | 125 | Angled Plug, Black & White | .320"-.655"   | 5-20P            | •                    | •          |
| PS5369XGCM     | 20     | 125 | Connector, Black & White   | .230"-.720"   | 5-20R            | •                    | •          |
| PS5666XGCM     | 15     | 250 | Plug, Black & White        | .230"-.720"   | 6-15P            | •                    | •          |
| PS5666XGCMAN   | 15     | 250 | Angled Plug, Black & White | .320"-.655"   | 6-15P            | •                    | •          |
| PS5669XGCM     | 15     | 250 | Connector, Black & White   | .230"-.720"   | 6-15R            | •                    | •          |
| PS5466XGCM     | 20     | 250 | Plug, Black & White        | .230"-.720"   | 6-20P            | •                    | •          |
| PS5466XGCMAN   | 20     | 250 | Angled Plug, Black & White | .320"-.655"   | 6-20P            | •                    | •          |
| PS5469XGCM     | 20     | 250 | Connector, Black & White   | .230"-.720"   | 6-20R            | •                    | •          |



Green LED



Red LED



No LED



**Plug** – There is proper ground continuity from the panel to the outlet and power is present.

**Connector** – Power is present and there is proper ground continuity throughout the cordset and back to the panel.

**Plug** – Power is present, but there is a ground continuity fault or miswire between the receptacle and the panel.

**Connector** – Power is present, but there's a ground continuity fault or miswire in the cordset (or, if there's a red indication in the plug as well, between the receptacle and the panel). It's also possible there could be a problem in both.

**Plug** – Power loss, open hot or neutral conductor, or hot/ground reversal.

**Connector** – Assuming power is present at the outlet, there's an open hot or open neutral conductor in the cordset, or a hot/ground reversal.

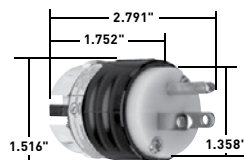
**250V products will show red and green when hot and ground are reversed.**



# TECHNICAL SPECIFICATIONS

## Straight Blade Ground Continuity Monitoring (GCM) Plugs

2 Pole, 3 Wire Grounding 15 & 20A, 125 & 250V



**PS5266XGCM**

### Typical Specifications

Manufacturer's Identification: Pass & Seymour® PS5266XGCM

Description: Straight Blade Plug, Power Supply

Type: 2 Pole, 3 Wire Grounding

Rating: 15A, 125V

Configuration: NEMA 5-15P

3rd Party Compliance: cULus Listed, File Number E146159, Standard UL498, Attachment Plugs and Receptacles. Federal Specification WC596. Standard CSA-C22.2 No. 42, General Use Receptacles and Attachment Plugs. Conforms to NEMA WD-1 and WD-6.

| CATALOG NUMBER                        | RATING   | NEMA CONFIG. NO. | CATALOG NUMBER                        | RATING   | NEMA CONFIG. NO. | NEMA CONFIG. NO.                                               | AC HP RATING                         |
|---------------------------------------|----------|------------------|---------------------------------------|----------|------------------|----------------------------------------------------------------|--------------------------------------|
| <input type="checkbox"/> PS5266XGCM   | 15A 125V | 5-15P            | <input type="checkbox"/> PS5666XGCM   | 15A 250V | 6-15P            | <b>STRAIGHT BLADE HORSEPOWER RATING FOR NEMA CONFIGURATION</b> |                                      |
| <input type="checkbox"/> PS5266XGCMAN | 15A 125V | 5-15P            | <input type="checkbox"/> PS5666XGCMAN | 15A 250V | 6-15P            |                                                                |                                      |
| <input type="checkbox"/> PS5366XGCM   | 20A 125V | 5-20P            | <input type="checkbox"/> PS5466XGCM   | 20A 250V | 6-20P            |                                                                |                                      |
| <input type="checkbox"/> PS5366XGCMAN | 20A 125V | 5-20P            | <input type="checkbox"/> PS5466XGCMAN | 20A 250V | 6-20P            |                                                                |                                      |
|                                       |          |                  |                                       |          |                  |                                                                |                                      |
|                                       |          |                  |                                       |          |                  | 5-15                                                           | 1/2                                  |
|                                       |          |                  |                                       |          |                  | 6-15                                                           | 1 1/2*                               |
|                                       |          |                  |                                       |          |                  | 7-15                                                           | 2                                    |
|                                       |          |                  |                                       |          |                  | 5-20                                                           | 1                                    |
|                                       |          |                  |                                       |          |                  | 6-20                                                           | 2*                                   |
|                                       |          |                  |                                       |          |                  | 7-20                                                           | 2                                    |
|                                       |          |                  |                                       |          |                  | 10-20                                                          | 2 Line to Line*<br>1 Line to Neutral |

### Performance

#### Electrical

Dielectric Withstand Voltage: 1500V minimum

Maximum Working Voltage: 250V

Current Interrupting: Certified for current interrupting at full-rated current

Temperature Rise: 30°C maximum after 50 cycles at 150% rated current

#### Mechanical

Cord Accommodation: Round portable service cords of diameters in accordance with the device rating as defined in UL62

Cord Grip Accommodation: .230"-.720" diameter, Angle Plugs - .320"-.655"

Terminal Identification: Green = Ground, White = Neutral, Brass = Hot

Terminal Accommodation: #18 AWG min. - #10 AWG max.

Product Identification: Amperage, Voltage, 3rd Party Compliance, NEMA Configuration

#### Environmental

Flammability: UL94 V2

Operating Temperature: Maximum continuous +75°C, minimum -40°C without impact

### Materials

Back Body: Nylon

Front Body: Nylon

Terminal Chamber: Polycarbonate

Cord Clamp: Nylon

Insert: Nylon

Blades: Brass

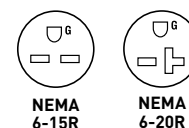
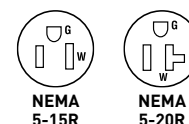
Terminal Clamp: Zinc-Plated Steel

Terminal Screws: Nickel- or Brass-Plated Steel

Ground Screws: Nickel-Plated Steel

Cord Clamp Screws: Nickel-Plated Steel #8

Assembly Screws: Nickel-Plated Steel



\* Suitable for 208V motor applications at the HP rating specified.

Consult Straight Blade Plugs & Connectors Section F for complete compliance listing.

**Project**

**Location/Type**