

Industrial Grade Connectors  
for Temporary and  
Semi-Permanent Power  
Distribution Applications

# Single Pole Cam Devices

SELECTION GUIDE

rhino-hide®



# rhino-hide® Superior performance and durability under the most severe operating conditions.

## 15 SERIES

RATED UP TO  
150 Amps

PAGES 4-6

15 Series Taper Nose mini-cam plugs and receptacles are rated up to 150 Amps.

### APPLICATIONS

Ideal for entertainment applications such as those found in carnivals and theme parks.



## 16 & 18 SERIES

RATED UP TO  
400 Amps

PAGES 7-20

16 and 18 Series Taper Nose Cam-Type devices are rated up to 400 Amps. 16 Series panel mount receptacles can be safely mounted directly to steel panels.\* 18 Series features positive locking connection that maintains integrity even when subjected to vibration.

### APPLICATIONS

Ideal for power distribution applications such as construction sites, mining operations, welding, broadcasting, cell tower backup power, concerts, sound stages, movie making, television productions, sporting events and conventions.



## 17 SERIES

RATED UP TO  
600 Amps

## 22 & 23 SERIES

RATED UP TO  
690 Amps

PAGES 21-27

17 Series devices are rated up to 600 Amps while 22 and 23 Series are rated up to 690 Amps. Santoprene construction provides improved resistance to UV degradation and damage to physical appearance, allowing for easier installation as vulcanizing is no longer necessary. 22 and 23 Series feature an additional latching mechanism for more security, especially in high-vibration applications like ship-to-shore power.

### APPLICATIONS

Ideal for grueling, heavy-duty industrial use of generator test stations, water purification plants and electrochemical machining equipment.



## 49 SERIES

RATED UP TO  
1135 Amps

PAGES 28-32

49 Series single pole high amperage devices are rated up to 1135 Amps for the most extreme demanding conditions.

### APPLICATIONS

Ideal for installation on both new and existing silicon-controlled rectifiers (SCRs) and generator stations or on new oil and gas rig construction.



\*Refer to instruction sheet guidelines for installation



## Cam-Type Devices for Commercial and Industrial Use

Rhino-Hide Single Pole Cam-Type Connectors from Leviton supply temporary electrical power distribution for multiple indoor and outdoor applications.

### Common Applications

- Sports, Entertainment and Movie Industry
- Theme Parks and Carnival Equipment
- Concert Venues and Convention Centers
- Motor and Generator Splices
- Welding and Construction Sites
- Commercial and Navy Shipbuilding/Repair
- Petrochemical and Manufacturing Plant Turnarounds
- Mining Operations

### Features and Benefits

- Plugs are available in set screw or crimp tube termination, taper nose and ball nose configurations
- Intermateable and compatible with competitive cam-type products – can be retrofitted to existing locations and power distribution systems
- Shatter and crack proof – high durometer thermoplastic vulcanizate (TPV - Santoprene)
- Color-coded insulating sleeves provide fast and easy phase identification
- Self compensating for wear – slit in male contact provides spring action for longer usage
- Quick connect/disconnect
- High conductivity – positive, vibration-proof connection provided by cam design
- Wide range of applications – usable with a wide range of cable and amperage ratings
- Meets NEC requirements and is UL Listed and CSA Certified
- 15, 16/18, and 17 Series devices are NEMA 3R-Rated for use in outside locations
- All 15, 16/18, and 17 Series devices feature 35kA SCCR rating
- Operational temperature: -40°C to 100°C

### Experience the Difference

Rhino-Hide Single Pole Cam-Type Connectors are designed for easy assembly and disassembly without special tools. A thermoplastic screw is used to tightly secure the contact inside the insulating sleeve, making assembly, disassembly and field repairs effortless. The plugs use plastic locking and reinforcement rings molded into insulating sleeves and receptacles ensuring the integrity of the connection. Under severe stress and load conditions, these rings will not melt, break or crack.



## 15, 16 and 18 Series Cam-Type Plugs Features and Benefits

All devices feature 35kA SCCR rating  
Operational temperature: 40°C to 100°C



Color-coded insulating sleeves for easy phase identification



Molded in markings on the device

High conductivity - positive, vibration-proof connection provided by double cam design



Shatter and crack proof - high durometer thermoplastic elastomer (TPV - Santoprene)

Thermoplastic insulating screw is non-conductive for safety

Self compensating for wear - slit in male contact provides spring action for longer usage

Hard thermoplastic insulating screw provides strength and durability, and allows sleeve to be easily detached if needed

Intermateable with competitive cam-type products—can be retrofitted to existing locations and power distribution systems

16 Series panel mount receptacles can be safely mounted directly to steel panels\*  
\*Refer to instruction sheet guidelines for installation



## 15/16/18 Series Plugs

Plug Component	Material
Sleeve	Thermoplastic Vulcanizate (TPV - Santoprene)
Contact	Brass
Strain Relief	Copper Wire

## 15 Series Taper Nose Devices - 150 A, 600 VAC/DC Max NEMA 3R Rated for Outdoor Use • #8 to #2 Cable Range

### Male Plug - Single Set Screw Termination

(15D21-UG Shown)



### Female Plug - Single Set Screw Termination

(15D22-UY Shown)



### Male Plug - Crimp Tube Termination Contact

(15D23-UC Shown;  
Uses Same Sleeve As Above)



### Female Plug - Crimp Tube Termination Contact

(15D24-UC Shown;  
Uses Same Sleeve As Above)



AMPACITY TABLE	
Cable Size	Max Ampacity
#8	80
#6	105
#4	140
#2	150

### Male Panel Receptacle

(15R21-UR Shown)



### Female Panel Receptacle

(15R22-UH Shown)



### Panel Mount Covers

(15S31-UR Shown)



### Male Protective Cap

(15P21-UB Shown)



### Female Protective Cap

(15P22-UW Shown)



## 15 Series Device Accessories

### “Com-A-Long” Assembly Tools

15CLM-U for Female Plug

15CLF-U for Male Plug



### Copper Shims

A0006  
(Sold 10 per package)



### Strain Relief Wire

A0007  
(Sold 10 per package)



### Set Screws

A0001  
(Sold 10 per package)



## 15 Series Device Ordering Information

### CAM-TYPE PLUGS

		Single Set Screw Termination <sup>UL</sup> <sup>CS</sup>	
		Male Plug	Female Plug
<b>Cable Size: #8 - #2</b> <b>Max Ampacity: 150 A</b> <b>Voltage: 600 VAC/DC</b>  <b>UL/CSA 1691 Listed</b>	White	15D21-UW	15D22-UW
	Black	15D21-UE	15D22-UE
	Brown	15D21-UH	15D22-UH
	Red	15D21-UR	15D22-UR
	Blue	15D21-UB	15D22-UB
	Orange	15D21-UO	15D22-UO
	Green	15D21-UG	15D22-UG
	Yellow	15D21-UY	15D22-UY
Replacement Contacts		15D21-UC	15D22-UC

		Crimp Tube Termination <sup>UL</sup> <sup>CS</sup>	
		Male Plug	Female Plug
<b>Cable Size: #8 - #4</b> <b>Max Ampacity: 140 A</b> <b>Voltage: 600 VAC/DC</b>  <b>UL/CSA 1691 Listed</b>	White	15D23-UW	15D24-UW
	Black	15D23-UE	15D24-UE
	Brown	15D23-UH	15D24-UH
	Red	15D23-UR	15D24-UR
	Blue	15D23-UB	15D24-UB
	Orange	15D23-UO	15D24-UO
	Green	15D23-UG	15D24-UG
	Yellow	15D23-UY	15D24-UY
Replacement Contacts		15D23-UC	15D24-UC

### CAM-TYPE PANEL MOUNT RECEPTACLES

		.5" Threaded Stud Termination 90° <sup>UL</sup> <sup>CS</sup>		.75" Threaded Stud Termination 90° <sup>UL</sup> <sup>CS</sup>	
		Male	Female	Male	Female
<b>Cable Size: #8 - #2</b> <b>Max Ampacity: 150 A</b> <b>Voltage: 600 VAC/DC</b>  <b>UL/CSA 1691 Listed</b>	White	15R21-UW	15R22-UW	15R21-1UW	15R22-1UW
	Black	15R21-UE	15R22-UE	15R21-1UE	15R22-1UE
	Brown	15R21-UH	15R22-UH	15R21-1UH	—
	Red	15R21-UR	15R22-UR	15R21-1UR	15R22-1UR
	Blue	15R21-UB	15R22-UB	15R21-1UB	15R22-1UB
	Orange	15R21-UO	15R22-UO	15R21-1UO	—
	Green	15R21-UG	15R22-UG	15R21-1UG	15R22-1UG
	Yellow	15R21-UY	15R22-UY	15R21-1UY	—

### REPLACEMENT SLEEVES & PANEL MOUNT COVERS

	Replacement Sleeves		Protective Caps		Panel Mount Covers
	Male Plug	Female Plug	Male	Female	Male/Female
White	15SDM-1UW	15SDF-1UW	15P21-UW	15P22-UW	15S31-UW
Black	15SDM-1UE	15SDF-1UE	15P21-UE	15P22-UE	15S31-UE
Brown	—	—	—	—	15S31-UH
Red	15SDM-1UR	15SDF-1UR	15P21-UR	15P22-UR	15S31-UR
Blue	—	—	15P21-UB	15P22-UB	15S31-UB
Orange	—	—	—	—	15S31-UO
Green	—	—	15P21-UG	15P22-UG	15S31-UG
Yellow	—	—	—	—	15S31-UY
Clear	—	—	—	—	15S31-UCL

NOTE: Some items may require extended lead times; always consult with your local sales representative for current availability.

## 16 Series Taper Nose Plugs - 400 A, 600 VAC/DC Max NEMA 3R Rated for Outdoor Use • #6 to 4/0 Cable Range

**Male Plug - Double Set Screw Termination**  
(16D24-UG Shown)



**Female Plug - Double Set Screw Termination**  
(16D31-UO Shown)



**Male Plug - Single Set Screw Termination Contact**  
(16D21-UC Shown)



**Male Plug - Crimp Tube Termination Contact**  
(For 16D25 Shown)



**Female Plug - Single Set Screw Termination Contact**  
(16D29-UC Shown)



**Female Plug - Crimp Tube Termination Contact**  
(For 16D34 Shown)



**Male Plug - Flame Resistant for Mining Applications**  
(16D40-U Shown)



**Female Plug - Flame Resistant for Mining Applications**  
(16D41-U Shown)



**FLAME RESISTANT PLUGS**  
Rated V-0 per UL94

AMPACITY TABLE	
Cable Size	Max Ampacity
#6	105
#4	140
#2	190
#1	220
1/0	260
2/0	300
3/0	350
4/0	400

**Female Plug with Alternate Cord Entry - Double Set Screw Termination**  
(16D45-AUO Shown)



Fits Most #6 - #2 Wire Without Cutting

## 16 Series Device Accessories

### “Com-A-Long” Assembly Tools

16CLM-U for Female Plug

16CLF-U for Male Plug



### Copper Shims

A0004

(Sold 10 per package)



### Strain Relief Wire

A0003

(Sold 10 per package)



### Set Screws

A0002 (Sold 10 per package)



### Thermoplastic Screws

for use with all 16 Series plugs

A0010 (Sold 10 per package)



### Insulating Screw

for 16F and 16M receptacles only

A0005 (Sold 10 per package)



## 16 Series Plug Ordering Information

**CAM-TYPE PLUGS**

		Double Set Screw Termination <sup>UL</sup> <sup>CS</sup>		Double Set Screw Termination <sup>UL</sup> <sup>CS</sup> Alternate Cord Entry	
		Male Plug	Female Plug	Male Plug	Female Plug
		<b>Cable Size: #6 - #2</b> <b>Max Ampacity: 190 A</b> <b>Voltage: 600 VAC/DC</b>  <b>UL/CSA 1691 Listed</b>	White	16D44-UW	16D45-UW
Black	16D44-UE		16D45-UE	16D44-AUE	16D45-AUE
Brown	16D44-UH		16D45-UH	16D44-AUH	16D45-AUH
Red	16D44-UR		16D45-UR	16D44-AUR	16D45-AUR
Blue	16D44-UB		16D45-UB	16D44-AUB	16D45-AUB
Orange	16D44-UO		16D45-UO	16D44-AUO	16D45-AUO
Green	16D44-UG		16D45-UG	16D44-AUG	16D45-AUG
Yellow	16D44-UY		16D45-UY	16D44-AUY	16D45-AUY

		Crimp Tube Termination <sup>UL</sup> <sup>CS</sup>	
		Male Plug	Female Plug
		<b>Cable Size: #2 - #1</b> <b>Max Ampacity: 220 A</b> <b>Voltage: 600 VAC/DC</b>  <b>UL/CSA 1691 Listed</b>	White
Black	16D25-UE		16D34-UE
Brown	—		—
Red	16D25-UR		16D34-UR
Blue	16D25-UB		16D34-UB
Orange	—		—
Green	16D25-UG		16D34-UG
Yellow	—		—

		Single Set Screw Termination <sup>UL</sup> <sup>CS</sup>		Double Set Screw Termination <sup>UL</sup> <sup>CS</sup>	
		Male Plug	Female Plug	Male Plug	Female Plug
		<b>Cable Size: #2 - 2/0</b> <b>Max Ampacity: 300 A</b> <b>Voltage: 600 VAC/DC</b>  <b>UL/CSA 1691 Listed</b>	White	16D21-UW	16D29-UW
Black	16D21-UE		16D29-UE	16D22-UE*	16D31-UE*
Brown	16D21-UH		16D29-UH	16D22-UH*	16D31-UH*
Red	16D21-UR		16D29-UR	16D22-UR*	16D31-UR*
Blue	16D21-UB		16D29-UB	16D22-UB*	16D31-UB*
Orange	16D21-UO		16D29-UO	16D22-UO*	16D31-UO*
Green	16D21-UG		16D29-UG	16D22-UG*	16D31-UG*
Yellow	16D21-UY		16D29-UY	16D22-UY*	16D31-UY*
Replacement Contacts		—	—	16D22-UC	16D31-UC

		Crimp Tube Termination <sup>UL</sup> <sup>CS</sup>	
		Male Plug	Female Plug
		<b>Cable Size: 1/0 - 2/0</b> <b>Max Ampacity: 220 A</b> <b>Voltage: 600 VAC/DC</b>  <b>UL/CSA 1691 Listed</b>	White
Black	16D26-UE		16D35-UE
Brown	16D26-UH		16D35-UH
Red	16D26-UR		16D35-UR
Blue	16D26-UB		16D35-UB
Orange	16D26-UO		16D35-UO
Green	16D26-UG		16D35-UG
Yellow	16D26-UY		16D35-UY

NOTE: Some items may require extended lead times; always consult with your local sales representative for current availability.

\* Item is available in bulk; add a "B" before the "U" in the catalog number when ordering — Example: 16D22-BUY

## 16 Series Plug Ordering Information

### CAM-TYPE PLUGS

		Single Set Screw Termination  		Double Set Screw Termination  	
		Male Plug	Female Plug	Male Plug	Female Plug
<b>Cable Size: 2/0 - 4/0</b> <b>Max Ampacity: 400 A</b> <b>Voltage: 600 VAC/DC</b>  <b>UL/CSA 1691 Listed</b>	White	16D23-UW	16D32-UW	16D24-UW*	16D33-UW*
	Black	16D23-UE	16D32-UE	16D24-UE*	16D33-UE*
	Brown	16D23-UH	16D32-UH	16D24-UH*	16D33-UH*
	Red	16D23-UR	16D32-UR	16D24-UR*	16D33-UR*
	Blue	16D23-UB	16D32-UB	16D24-UB*	16D33-UB*
	Orange	16D23-UO	16D32-UO	16D24-UO*	16D33-UO*
	Green	16D23-UG	16D32-UG	16D24-UG*	16D33-UG*
	Gray	—	—	16D24-UGY	16D33-UGY
	Yellow	16D23-UY	16D32-UY	16D24-UY*	16D33-UY*
Replacement Contacts		16D23-UC	16D32-UC	16D24-UC	16D33-UC

		Crimp Tube Termination  	
		Male Plug	Female Plug
<b>Cable Size: 3/0 - 4/0</b> <b>Max Ampacity: 400 A</b> <b>Voltage: 600 VAC/DC</b>  <b>UL/CSA 1691 Listed</b>	White	16D28-UW	16D37-UW
	Black	16D28-UE	16D37-UE
	Brown	16D28-UH	16D37-UH
	Red	16D28-UR	16D37-UR
	Blue	16D28-UB	16D37-UB
	Orange	16D28-UO	16D37-UO
	Green	16D28-UG	16D37-UG
	Yellow	16D28-UY	16D37-UY

### REPLACEMENT SLEEVES (TPV)

		For Plugs 2/0 to 4/0		For Plugs #2 - 2/0	
		Male Plug	Female Plug	Male Plug	Female Plug
<b>(Not for use with Flame Resistant Cam-Type Plugs appearing in table below)</b>	White	16SDM-1UW	16SDF-1UW	16SDM-2UW	16SDF-2UW
	Black	16SDM-1UE	16SDF-1UE	16SDM-2UE	16SDF-2UE
	Brown	16SDM-1UH	16SDF-1UH	—	—
	Red	16SDM-1UR	16SDF-1UR	16SDM-2UR	16SDF-2UR
	Blue	16SDM-1UB	16SDF-1UB	16SDM-2UB	16SDF-2UB
	Orange	16SDM-1UO	16SDF-1UO	—	—
	Green	16SDM-1UG	16SDF-1UG	16SDM-2UG	16SDF-2UG
	Yellow	16SDM-1UY	16SDF-1UY	—	—

### FLAME RESISTANT CAM-TYPE PLUGS

		Double Set Screw Termination	
		Male Plug	Female Plug
<b>Cable Size: 2/0 - 4/0</b> <b>Max Ampacity: 400 A</b> <b>Voltage: 600 VAC/DC</b> <b>Flame Resistant</b>  <b>Rated V-0 per UL 94</b>	White	16D40-U	16D41-U

NOTE: Some items may require extended lead times; always consult with your local sales representative for current availability.

\* Item is available in bulk; add a "B" before the "U" in the catalog number when ordering — Example: 16D24-BUY

16 Series Taper Nose Panel Mount Receptacles - 400 A, 600 VAC/DC Max  
NEMA 3R Rated for Outdoor Use

**Male - Double Set Screw** (16R21-UR Shown)



**Female - Double Set Screw** (16R22-UG Shown)



**Female - Threaded Stud**  
(Rear View 16R24-UW Shown)



**Male - 45° Double Set Screw** (16R27-UG Shown)



**Female - 45° Double Set Screw** (16R28-UB Shown)



**Male - Half Round Bus Bar**  
(Rear View 16R19-UE Shown)



**Female Terminal Connector - Angle Style** (16F21-UB Shown)



**Male Protective Cap**  
For use with Male Receptacles (16P21-UO Shown)



**Female Protective Cap**  
For use with Female Receptacles (16P22-UO Shown)



**Panel Mount Cover**  
(16S31-UCL Cover Shown with 16R21-UE Receptacle)



## 16 Series Receptacle Ordering Information

### CAM-TYPE PANEL MOUNT RECEPTACLE

		Double Set Screw Termination <sup>UL</sup> <sup>CS</sup>			
		Male, 90°	Female, 90°	Male, 45°	Female, 45°
<b>Cable Size: 2/0 - 4/0</b> <b>Max Ampacity: 400 A</b> <b>Voltage: 600 VAC/DC</b>  <b>UL/CSA 1691 Listed</b>	White	16R21-UW*	16R22-UW	16R27-UW	16R28-UW
	Black	16R21-UE*	16R22-UE	16R27-UE	16R28-UE
	Brown	16R21-UH	16R22-UH	16R27-UH	16R28-UH
	Red	16R21-UR*	16R22-UR	16R27-UR	16R28-UR
	Blue	16R21-UB*	16R22-UB	16R27-UB	16R28-UB
	Orange	16R21-UO	16R22-UO	16R27-UO	16R28-UO
	Green	16R21-UG*	16R22-UG	16R27-UG	16R28-UG
	Gray	—	—	16R27-UGY	—
	Yellow	16R21-UY	16R22-UY	16R27-UY	16R28-UY

		.75" L Threaded Stud Termination <sup>UL</sup> <sup>CS</sup>			
		Male, 90°	Female, 90°	w/microswitch	w/microswitch & self-clinching nut
<b>Cable Size: #2 - 4/0</b> <b>Max Ampacity: 400 A</b> <b>Voltage: 600 VAC/DC</b>  <b>UL/CSA 1691 Listed</b>	White	16R23-UW	16R24-UW	16RSW-UW <sup>†</sup>	16RSW-TUW <sup>†</sup>
	Black	16R23-UE	16R24-UE	16RSW-UE <sup>†</sup>	16RSW-TUE <sup>†</sup>
	Brown	16R23-UH	16R24-UH	16RSW-UH <sup>†</sup>	—
	Red	16R23-UR	16R24-UR	16RSW-UR <sup>†</sup>	16RSW-TUR <sup>†</sup>
	Blue	16R23-UB	16R24-UB	16RSW-UB <sup>†</sup>	16RSW-TUB <sup>†</sup>
	Orange	16R23-UO	16R24-UO	16RSW-UO <sup>†</sup>	—
	Green	16R23-UG	16R24-UG	16RSW-UG <sup>†</sup>	16RSW-TUG <sup>†</sup>
	Yellow	16R23-UY	16R24-UY	16RSW-UY <sup>†</sup>	—

		.75" L Threaded Stud Termination <sup>UL</sup> <sup>CS</sup>		Half Round w/Tapped Hole <sup>UL</sup> <sup>CS</sup>	
		Male, 45°	Female, 45°	Male, 90°	Female, 90°
<b>Cable Size: #2 - 4/0</b> <b>Max Ampacity: 400 A</b> <b>Voltage: 600 VAC/DC</b>  <b>UL/CSA 1691 Listed</b>	White	16R29-UW	16R30-UW	16R19-UW	16R20-UW
	Black	16R29-UE	16R30-UE	16R19-UE	16R20-UE
	Brown	16R29-UH	16R30-UH	16R19-UH	16R20-UH
	Red	16R29-UR	16R30-UR	16R19-UR	16R20-UR
	Blue	16R29-UB	16R30-UB	16R19-UB	16R20-UB
	Orange	16R29-UO	16R30-UO	16R19-UO	16R20-UO
	Green	16R29-UG	16R30-UG	16R19-UG	16R20-UG
	Gray	16R29-UGY	—	—	—
	Yellow	16R29-UY	16R30-UY	16R19-UY	16R20-UY

		1.125" L Threaded Stud Termination <sup>UL</sup> <sup>CS</sup>	
		Male, 45°	Female, 45°
<b>Cable Size: #2 - 4/0</b> <b>Max Ampacity: 400 A</b> <b>Voltage: 600 VAC/DC</b>  <b>UL/CSA 1691 Listed</b>	White	16R29-1UW	16R30-1UW
	Black	16R29-1UE	16R30-1UE
	Brown	16R29-1UH	16R30-1UH
	Red	16R29-1UR	16R30-1UR
	Blue	16R29-1UB	16R30-1UB
	Orange	16R29-1UO	16R30-1UO
	Green	16R29-1UG	16R30-1UG
	Yellow	16R29-1UY	16R30-1UY

NOTE: Some items may require extended lead times; always consult with your local sales representative for current availability.

\* Item is available in bulk; add a "B" before the "U" in the catalog number when ordering — Example: 16D24-BUY

Please contact your local sales representative for ordering information and availability

<sup>†</sup> 16RSW is not UL/CSA 1691 Listed

## 16 Series Receptacle Ordering Information

### CAM-TYPE PANEL MOUNT RECEPTACLE

		1.125"L Threaded Stud Termination <sup>UL</sup> <sup>CS</sup>			
		Self-Clinching Nut			
		Male, 90°	Female, 90°	Male, 90°	Female, 90°
Cable Size: #2 - 4/0 Max Ampacity: 400 A Voltage: 600 VAC/DC  UL/CSA 1691 Listed	White	16R23-1UW	16R24-1UW	16R25-1UW	16R26-1UW
	Black	16R23-1UE	16R24-1UE	16R25-1UE	16R26-1UE
	Brown	16R23-1UH	16R24-1UH	16R25-1UH	16R26-1UH
	Red	16R23-1UR	16R24-1UR	16R25-1UR	16R26-1UR
	Blue	16R23-1UB	16R24-1UB	16R25-1UB	16R26-1UB
	Orange	16R23-1UO	16R24-1UO	16R25-1UO	16R26-1UO
	Green	16R23-1UG	16R24-1UG	16R25-1UG	16R26-1UG
	Yellow	16R23-1UY	16R24-1UY	16R25-1UY	16R26-1UY

		1.25"L Threaded Stud Termination		1.25"L Threaded Stud Termination**	
		- 0.75" Extended Shoulder <sup>UL</sup> <sup>CS</sup>		<sup>UL</sup> <sup>CS</sup>	
		Male, 90°	Female, 90°	Male, 90°	Female, 90°
Cable Size: #2 - 4/0 Max Ampacity: 400 A Voltage: 600 VAC/DC  UL/CSA 1691 Listed	White	16R31-XW	16R32-XW	—	—
	Black	16R31-XE	16R32-XE	—	—
	Brown	16R31-XH	16R32-XH	—	—
	Red	16R31-XR	16R32-XR	—	16R24-2UR
	Blue	16R31-XB	16R32-XB	—	—
	Orange	16R31-XO	16R32-XO	—	—
	Green	16R31-XG	16R32-XG	16R23-2UG	—
	Yellow	16R31-XY	16R32-XY	—	—

		1.25"L Threaded Stud Termination*		1.50"L Threaded Stud Termination	
		- 0.75" Extended Shoulder <sup>UL</sup> <sup>CS</sup>		<sup>UL</sup> <sup>CS</sup>	
		Male, 90°	Female, 90°	Male, 90°	Female, 90°
Cable Size: #2 - 4/0 Max Ampacity: 400 A Voltage: 600 VAC/DC  UL/CSA 1691 Listed	White	16R31-MXW	16R32-MXW	16R23-4UW	16R24-4UW
	Black	16R31-MXE	16R32-MXE	16R23-4UE	16R24-4UE
	Brown	—	—	16R23-4UH	16R24-4UH
	Red	16R31-MXR	16R32-MXR	16R23-4UR	16R24-4UR
	Blue	16R31-MXB	16R32-MXB	16R23-4UB	16R24-4UB
	Orange	—	—	16R23-4UO	16R24-4UO
	Green	16R31-MXG	16R32-MXG	16R23-4UG	16R24-4UG
	Yellow	—	—	16R23-4UY	16R24-4UY

### TERMINAL CONNECTORS

		Bus Bar Mount			
		Angled Male	Angled Female	Offset Male	Offset Female
Cable Size: #2 - 4/0 Max Ampacity: 400 A Voltage: 600 VAC/DC	White	16M21-2UW	16F21-UW	16M22-UW	16F22-UW
	Black	16M21-2UE	16F21-UE	16M22-UE	16F22-UE
	Brown	—	16F21-UH	16M22-UH	16F22-UH
	Red	16M21-2UR	16F21-UR	16M22-UR	16F22-UR
	Blue	16M21-2UB	16F21-UB	16M22-UB	16F22-UB
	Orange	—	16F21-UO	16M22-UO	16F22-UO
	Green	16M21-2UG	16F21-UG	16M22-UG	16F22-UG
	Yellow	—	16F21-UY	16M22-UY	16F22-UY

NOTE: Some items may require extended lead times; always consult with your local sales representative for current availability.

\*\* Additional colors available upon request. MOQ to be determined.

\* Available with (4) threaded inserts and (4) 10-32 Phillips Pan Head screws.

## 16 Series Receptacle Ordering Information

### COVERS

	Panel Mount Covers		Caps	
	Male/Female (For 90° panel mount receptacles only)		Male (For use with male receptacles)	Female (For use with female receptacles)
	White	16S31-UW	16P21-UW	16P22-UW
	Black	16S31-UE	16P21-UE	16P22-UE
	Brown	16S31-UH	16P21-UH	16P22-UH
	Red	16S31-UR	16P21-UR	16P22-UR
	Blue	16S31-UB	16P21-UB	16P22-UB
	Orange	16S31-UO	16P21-UO	16P22-UO
	Green	16S31-UG	16P21-UG	16P22-UG
	Yellow	16S31-UY	16P21-UY	16P22-UY
	Clear	16S31-UCL	—	—

NOTE: Some items may require extended lead times; always consult with your local sales representative for current availability.

16 Series Taper Nose Adapters - 400 A, 600 VAC/DC Max  
NEMA 3R Rated for Outdoor Use

**Double Male**  
(16A25-UH Shown)



**Double Female**  
(16A24-UB Shown)



**Paralleling Tee**  
(16A21-UY Shown)



**Tapping Tee**  
(16A22-UE Shown)



**3-Fer**  
(16A23-UB Shown)



**Reversed 3-Fer**  
(16A26-UG Shown)



**Assembled Paralleling Tee**  
(16A31-UE Shown)



**Assembled Tapping Tee**  
(16A32-UR Shown)



**Assembled 3-Fer**  
(16A33-UB Shown)



**Assembled Reverse 3-Fer**  
(16A36-UG Shown)



## 16 Series Adapter Ordering Information

### CAM-TYPE ADAPTERS

		<b>Paralleling Tee</b> F-M-M	<b>Tapping Tee</b> F-F-M		
<b>Max Ampacity: 400 A</b> <b>Voltage: 600 VAC/DC</b>  <b>UL/CSA 1691 Listed</b>	White	16A21-UW	16A22-UW		
	Black	16A21-UE	16A22-UE		
	Brown	16A21-UH	16A22-UH		
	Red	16A21-UR	16A22-UR		
	Blue	16A21-UB	16A22-UB		
	Orange	16A21-UO	16A22-UO		
	Green	16A21-UG	16A22-UG		
	Yellow	16A21-UY	16A22-UY		
		<b>3-Fer</b> M-F-F-F	<b>Reverse 3-Fer</b> F-M-M-M	<b>Double Male</b>	<b>Double Female</b>
<b>Max Ampacity: 400 A</b> <b>Voltage: 600 VAC/DC</b>  <b>UL/CSA 1691 Listed</b>	White	16A23-UW	16A26-UW	16A25-UW	16A24-UW
	Black	16A23-UE	16A26-UE	16A25-UE	16A24-UE
	Brown	16A23-UH	16A26-UH	16A25-UH	16A24-UH
	Red	16A23-UR	16A26-UR	16A25-UR	16A24-UR
	Blue	16A23-UB	16A26-UB	16A25-UB	16A24-UB
	Orange	16A23-UO	16A26-UO	16A25-UO	16A24-UO
	Green	16A23-UG	16A26-UG	16A25-UG	16A24-UG
	Yellow	16A23-UY	16A26-UY	16A25-UY	16A24-UY
		<b>Paralleling Tee</b> F-M-M	<b>Tapping Tee</b> F-F-M	<b>3-Fer</b> M-F-F-F	<b>Reverse 3-Fer</b> F-M-M-M
<b>Assembled Adapters</b> <b>Cable Size: 4/0</b> <b>Max Ampacity: 400 A</b> <b>Voltage: 600 VAC/DC</b>  <b>UL/CSA 1691 Listed</b>	White	16A31-UW	16A32-UW	16A33-UW	16A36-UW
	Black	16A31-UE	16A32-UE	16A33-UE	16A36-UE
	Red	16A31-UR	16A32-UR	16A33-UR	16A36-UR
	Blue	16A31-UB	16A32-UB	16A33-UB	16A36-UB
	Green	16A31-UG	16A32-UG	16A33-UG	16A36-UG

NOTE: Some items may require extended lead times; always consult with your local sales representative for current availability.

## 18 Series Ball Nose Devices - 400 A, 600 VAC/DC Max NEMA 3R Rated for Outdoor Use • #2 to 4/0 Cable Range

**Male Plug - Double Set Screw Termination**  
(18D24-UE Shown)



**Female Plug - Double Set Screw Termination**  
(18D33-JR Shown)



**Male Plug - Single Set Screw Termination Contact**  
(From 18D21-U\* Shown)



**Female Plug - Single Set Screw Termination Contact**  
(From 18D29-U\* Shown)



AMPACITY TABLE	
Cable Size	Max Ampacity
#2	190
1/0	260
2/0	300
4/0	400

**Female Terminal Connector - Angled**  
(18F21-UW Shown)



**Female Terminal Connector - Offset**  
(18F22-UE Shown)



**Male Panel Mount Receptacle - 75" Threaded Stud**  
(18R21-UB Shown)



**Female Panel Mount Receptacle - Double Set Screw**  
(18R24-UG Shown)



**Male Panel Mount Receptacle - Double Set Screw**  
(18R23-UH Shown)



### Paralleling Tee Adapter

(18A21-UE Shown)



### Double Male Adapter

(18A25-UR Shown)



### 3-Fer (MFFF) Adapter

(18A23-UG Shown)



### Male Protective Cap

For use with Male Receptacles  
(18P21-UG Shown)



### Female Protective Cap

For use with Female Receptacles  
(18P22-UB Shown)



### “Com-A-Long” Assembly Tools

16CLM-U for Female Plug

16CLF-U for Male Plug



### Copper Shims

A0004

(Sold 10 per package)



### Strain Relief Wire

A0003

(Sold 10 per package)



### Set Screws

A0002 (Sold 10 per package)



### Thermoplastic Screws

for use with all 18 Series plugs

A0010 (Sold 10 per package)



## 18 Series Device Ordering Information

### CAM-TYPE PLUGS

	Color	Single Set Screw Termination <sup>UL</sup> <sup>CS</sup>		Double Set Screw Termination <sup>UL</sup> <sup>CS</sup>	
		Male Plug	Female Plug	Male Plug	Female Plug
Cable Size: #2 - 2/0 Max Ampacity: 300 A Voltage: 600 VAC/DC  UL/CSA 1691 Listed	White	18D21-UW	18D29-UW	18D22-UW	18D31-UW
	Black	18D21-UE	18D29-UE	18D22-UE	18D31-UE
	Brown	—	—	18D22-UH	—
	Red	18D21-UR	18D29-UR	18D22-UR	18D31-UR
	Blue	18D21-UB	18D29-UB	18D22-UB	18D31-UB
	Orange	—	—	18D22-UO	—
	Green	18D21-UG	18D29-UG	18D22-UG	18D31-UG
	Yellow	—	—	18D22-UY	—

	Color	Single Set Screw Termination** <sup>UL</sup> <sup>CS</sup>		Double Set Screw Termination <sup>UL</sup> <sup>CS</sup>	
		Male Plug	Female Plug	Male Plug	Female Plug
Cable Size: 2/0 - 4/0 Max Ampacity: 400 A Voltage: 600 VAC/DC  UL/CSA 1691 Listed	White	—	—	18D24-UW	18D33-UW
	Black	18D23-UE	18D32-UE	18D24-UE	18D33-UE
	Brown	—	18D32-UH	18D24-UH	18D33-UH
	Red	18D23-UR	—	18D24-UR	18D33-UR
	Blue	—	—	18D24-UB	18D33-UB
	Orange	—	18D32-UO	18D24-UO	18D33-UO
	Green	—	—	18D24-UG	18D33-UG
	Yellow	—	18D32-UY	18D24-UY	18D33-UY

### CAM-TYPE PANEL MOUNT RECEPTACLES

	Color	.75" L Threaded Stud Termination <sup>UL</sup> <sup>CS</sup>	
		Male, 90°	Female, 90°
Cable Size: #2 - 4/0 Max Ampacity: 400 A Voltage: 600 VAC/DC  UL/CSA 1691 Listed	White	18R21-UW	18R22-UW
	Black	18R21-UE	18R22-UE
	Brown	—	18R22-UH
	Red	18R21-UR	18R22-UR
	Blue	18R21-UB	18R22-UB
	Orange	—	18R22-UO
	Green	18R21-UG	18R22-UG
	Yellow	—	18R22-UY

	Color	Double Set Screw Termination <sup>UL</sup> <sup>CS</sup>	
		Male, 90°	Female, 90°
Cable Size: 2/0 - 4/0 Max Ampacity: 400 A Voltage: 600 VAC/DC  UL/CSA 1691 Listed	White	18R23-UW	18R24-UW
	Black	18R23-UE	18R24-UE
	Brown	18R23-UH	18R24-UH
	Red	18R23-UR	18R24-UR
	Blue	18R23-UB	18R24-UB
	Orange	18R23-UO	18R24-UO
	Green	18R23-UG	18R24-UG
	Yellow	18R23-UY	18R24-UY

NOTE: Some items may require extended lead times; always consult with your local sales representative for current availability.

\*\*Additional colors available upon request. MOQ to be determined.

## 18 Series Device Ordering Information

### FEMALE TERMINAL CONNECTORS

	Color	Bus Bar Mount	
		Angle	Offset
<b>Cable Size: #2 - 4/0</b> <b>Max Ampacity: 400 A</b> <b>Voltage: 600 VAC/DC</b>  <b>UL/CSA 1691 Listed</b>	White	18F21-UW	18F22-UW
	Black	18F21-UE	18F22-UE
	Brown	—	—
	Red	18F21-UR	18F22-UR
	Blue	18F21-UB	18F22-UB
	Orange	—	—
	Green	18F21-UG	18F22-UG
	Yellow	—	—

### COVERS

	Color	Caps	
		Male	Female
	White	18P21-UW	18P22-UW
	Black	18P21-UE	18P22-UE
	Brown	18P21-UH	18P22-UH
	Red	18P21-UR	18P22-UR
	Blue	18P21-UB	18P22-UB
	Orange	18P21-UO	18P22-UO
	Green	18P21-UG	18P22-UG
	Yellow	18P21-UY	18P22-UY

### CAM-TYPE ADAPTERS

	Color	Paralleling Tee	Tapping Tee
		F-M-M	F-F-M
<b>Max Ampacity: 400 A</b> <b>Voltage: 600 VAC/DC</b>  <b>UL/CSA 1691 Listed</b>	White	18A21-UW	18A22-UW
	Black	18A21-UE	18A22-UE
	Brown	—	—
	Red	18A21-UR	18A22-UR
	Blue	18A21-UB	18A22-UB
	Orange	—	—
	Green	18A21-UG	18A22-UG
	Yellow	—	—

	Color	3-Fer**	Double Male
		M-F-F-F	
<b>Max Ampacity: 400 A</b> <b>Voltage: 600 VAC/DC</b>  <b>UL/CSA 1691 Listed</b>	White	—	18A25-UW
	Black	—	18A25-UE
	Brown	—	—
	Red	—	18A25-UR
	Blue	—	18A25-UB
	Orange	—	—
	Green	18A23-UG	18A25-UG
	Yellow	—	—

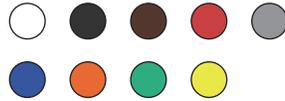
NOTE: Some items may require extended lead times; always consult with your local sales representative for current availability.

\*\*Additional colors available upon request. MOQ to be determined

## 17, 22 and 23 Series Cam-Type Plugs Features and Benefits

Now made in thermoplastic elastomer (TPV - Santoprene), which eliminates the need to vulcanize

Color-coded insulating sleeves for easy phase identification



UL listed to 1691 (except RSW)

Santoprene (TPV) provides enhanced visual appearance and resistance to UV degradation

Double Set screw termination for plugs for easy installation

17 Series devices feature 35kA SCCR rating  
Operational temperature: 40°C to 100°C

Thermoplastic screw makes sleeve detachable when needed

17 SERIES

22 & 23 SERIES

Special latching mechanism provides resistance to vibration

Crimp Tube termination for plugs

## 17/22/23 Series Plugs

Plug Component	Material
Sleeve	Thermoplastic Vulcanizate (TPV - Santoprene)
Contact	Brass
Strain Relief	Copper Wire

# Single Pole Cam Devices



CAM-TYPE • INDUSTRIAL GRADE

## 17 Series Taper Nose Devices - 600 A, 600 V Max Plugs with 350 to 500 MCM Cable Range

AMPACITY TABLE	
Cable Size	Max Ampacity
250	445
350	500
500	600

**Male Plug -  
Double Set Screw Termination**  
(17D22-SE Shown)



**Female Plug -  
Double Set Screw Termination**  
(17D24-SE Shown)



## Receptacles with 250 to 500 MCM Cable Range

**Female Panel Mount Receptacle -  
Threaded Stud Termination with  
Microswitch**  
(17RSW-SR Shown)



**Male Panel Mount  
Receptacle - 30°  
Threaded Stud  
Termination**  
(17R23-SE Shown)



**Female Panel Mount  
Receptacle - 30°  
Threaded Stud  
Termination**  
(17R24-SO Shown)



## 17 Series Accessories

**“Com-A-Long” Assembly Tools**  
17CLM for Female Plug



17CLF for Male Plug



**Male Protective Cap**  
For use with Male Receptacles  
(17P21-O Shown)



**Female Protective Cap**  
For use with Female Receptacles  
(17P22-H Shown)



## 17 Series Device Ordering Information

### CAM-TYPE PLUGS

Double Set Screw Termination  			
		Male Plug	Female Plug
Cable Size: 350-500 MCM Max Ampacity: 600 A Voltage: 600 V  UL/CSA 1691 Listed	White	17D22-SW	17D24-SW
	Black	17D22-SE	17D24-SE
	Brown	17D22-SH	17D24-SH
	Red	17D22-SR	17D24-SR
	Blue	17D22-SB	17D24-SB
	Orange	17D22-SO	17D24-SO
	Green	17D22-SG	17D24-SG
	Yellow	17D22-SY	17D24-SY

### CAM-TYPE PANEL MOUNT RECEPTACLES

Threaded Stud Termination				
		Male, 30° 1"L Threaded Stud Termination  	Female, 30° 1.125"L Threaded Stud Termination  	w/microswitch
Cable Size: 250-500 MCM Max Ampacity: 600 A Voltage: 600 V  UL/CSA 1691 Listed	White	17R23-SW	17R24-SW	17RSW-SW*
	Black	17R23-SE	17R24-SE	17RSW-SE*
	Brown	17R23-SH	17R24-SH	17RSW-SH*
	Red	17R23-SR	17R24-SR	17RSW-SR*
	Blue	17R23-SB	17R24-SB	17RSW-SB*
	Orange	17R23-SO	17R24-SO	17RSW-SO*
	Green	17R23-SG	17R24-SG	17RSW-SG*
	Yellow	17R23-SY	17R24-SY	17RSW-SY*

### COVERS

Caps			
		Male	Female
	White	17P21-W	17P22-W
	Black	17P21-E	17P22-E
	Brown	17P21-H	17P22-H
	Red	17P21-R	17P22-R
	Blue	17P21-B	17P22-B
	Orange	17P21-O	17P22-O
	Green	17P21-G	17P22-G
	Yellow	17P21-Y	17P22-Y

NOTE: Some items may require extended lead times; always consult with your local sales representative for current availability.  
 \*17RSW is not UL/CSA 1691 Listed

## 22 Series Latching Ball Nose Devices - 690 A, 600 V Max Plugs with 350 to 750 MCM Cable Range

AMPACITY TABLE	
Cable Size	Max Ampacity
250	445
350	500
500	600
750	690
777	690

**Male Plug - Crimp Tube Termination**  
(22L22-SE Shown)



**Female Plug - Crimp Tube Termination**  
(22L25-SR Shown)



**Male Plug - Crimp Tube Termination**  
(22L23-SE Shown)



**Female Plug - Crimp Tube Termination**  
(22L26-SE Shown)



## Receptacles with 250 to 777 MCM Cable Range

**Male Panel Mount Receptacle - 30° Threaded Stud**  
(22R23-SO Shown)



**Female Panel Mount Receptacle - 30° Threaded Stud**  
(22R24-SO Shown)



## 22 Series Accessories

**“Com-A-Long” Assembly Tools**  
17CLM for Female Plug



17CLF for Male Plug



**Male Protective Cap**  
For use with Male Receptacles  
(22P21-E Shown)



**Female Protective Cap**  
For use with Female Receptacles  
(22P22-E Shown)



## 22 Series Device Ordering Information

### CAM-TYPE PLUGS

		Crimp Tube Termination	
		Male Plug	Female Plug
<b>Cable Size: 350-500 MCM</b> <b>Max Ampacity: 600 A</b> <b>Voltage: 600 V</b>	White	22L22-SW*	22L25-SW
	Black	22L22-SE*	22L25-SE
	Brown	22L22-SH	22L25-SH
	Red	22L22-SR†	22L25-SR
	Blue	22L22-SB	22L25-SB
	Orange	22L22-SO	22L25-SO
	Green	22L22-SG	22L25-SG
	Yellow	22L22-SY	22L25-SY

		Crimp Tube Termination	
		Male Plug	Female Plug
<b>Cable Size: 500-750 MCM</b> <b>Max Ampacity: 690 A</b> <b>Voltage: 600 V</b>	White	22L23-SW	22L26-SW
	Black	22L23-SE	22L26-SE
	Brown	22L23-SH	22L26-SH
	Red	22L23-SR	22L26-SR
	Blue	22L23-SB	22L26-SB
	Orange	22L23-SO	22L26-SO
	Green	22L23-SG	22L26-SG
	Yellow	22L23-SY	22L26-SY

### CAM-TYPE PANEL MOUNT RECEPTACLES

		1.00"L Threaded Stud Termination	
		Male, 30°	Female, 30°
<b>Cable Size: 250-777 MCM</b> <b>Max Ampacity: 690 A</b> <b>Voltage: 600 V</b>	White	22R23-SW	22R24-SW
	Black	22R23-SE	22R24-SE
	Brown	22R23-SH	22R24-SH
	Red	22R23-SR	22R24-SR
	Blue	22R23-SB	22R24-SB
	Orange	22R23-SO	22R24-SO
	Green	22R23-SG	22R24-SG
	Yellow	22R23-SY	22R24-SY

### COVERS

		Caps	
		Male	Female
	White	22P21-W	22P22-W
	Black	22P21-E	22P22-E
	Red	22P21-R	22P22-R

NOTE: Some items may require extended lead times; always consult with your local sales representative for current availability.

\*Contact available without silver plating

## 23 Series Latching Taper Nose Plugs - 690 A, 600 V Max Plugs with 350 to 750 MCM Cable Range

AMPACITY TABLE	
Cable Size	Max Ampacity
250	445
350	500
500	600
750	690
777	690

**Male Plug - Latching Taper Nose, Crimp Tube Termination**  
(23L22-SE Shown)



**Female Plug - Latching Taper Nose, Crimp Tube Termination**  
(23L25-SE Shown)



**Male Plug - Latching Taper Nose, Crimp Tube Termination**  
(23L23-SE Shown)



**Female Plug - Latching Taper Nose, Crimp Tube Termination**  
(23L26-SE Shown)



## Receptacles with 250 to 777 MCM Cable Range

**Male Panel Receptacle - 30° Tapered Nose, Threaded Stud**  
(23R23-SE Shown)



**Female Panel Receptacle - 30° Tapered Nose, Threaded Stud**  
(23R24-SH Shown)



## 23 Series Accessories

**“Com-A-Long” Assembly Tools**  
17CLM for Female Plug



17CLF for Male Plug



**Male Protective Cap**  
For use with Male Receptacles  
(17P21-O Shown)



**Female Protective Cap**  
For use with Female Receptacles  
(17P22-H Shown)



## 23 Series Device Ordering Information

### CAM-TYPE PLUGS

		Crimp Tube Termination	
		Male Plug	Female Plug
Cable Size: 350-500 MCM Max Ampacity: 600 A Voltage: 600 V	White	23L22-SW	23L25-SW
	Black	23L22-SE	23L25-SE
	Brown	23L22-SH	23L25-SH
	Red	23L22-SR	23L25-SR
	Blue	23L22-SB	23L25-SB
	Orange	23L22-SO	23L25-SO
	Green	23L22-SG	23L25-SG
	Yellow	23L22-SY	23L25-SY

		Crimp Tube Termination	
		Male Plug	Female Plug
Cable Size: 500-750 MCM Max Ampacity: 690 A Voltage: 600 V Neoprene Sleeve	White	23L23-SW	23L26-SW
	Black	23L23-SE	23L26-SE
	Brown	23L23-SH	23L26-SH
	Red	23L23-SR	23L26-SR
	Blue	23L23-SB	23L26-SB
	Orange	23L23-SO	23L26-SO
	Green	23L23-SG	23L26-SG
	Yellow	23L23-SY	23L26-SY

### CAM-TYPE PANEL MOUNT RECEPTACLES

		Threaded Stud Termination	
		Male 30°, 1.125"L Threaded Stud Termination	Female 30°, 1.125"L Threaded Stud Termination
Cable Size: 250-777 MCM Max Ampacity: 690 A Voltage: 600 V	White	23R23-SW	23R24-SW
	Black	23R23-SE	23R24-SE
	Brown	23R23-SH	23R24-SH
	Red	23R23-SR	23R24-SR
	Blue	23R23-SB	23R24-SB
	Orange	23R23-SO	23R24-SO
	Green	23R23-SG	23R24-SG
	Yellow	23R23-SY	23R24-SY

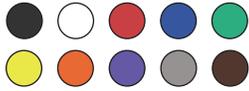
### COVERS

	Caps		
	Male	Female	
	White	17P21-W	17P22-W
	Black	17P21-E	17P22-E
	Brown	17P21-H	17P22-H
	Red	17P21-R	17P22-R
	Blue	17P21-B	17P22-B
	Orange	17P21-O	17P22-O
	Green	17P21-G	17P22-G
	Yellow	17P21-Y	17P22-Y

NOTE: Some items may require extended lead times; always consult with your local sales representative for current availability.

## 49 Series Male and Female Plugs, 1135 A Max Features and Benefits

Color-coded connector insulator for quick, visual identification of circuit and phase connections. Available colors include: Black, White, Red, Blue, Green, Yellow, Orange, Purple<sup>1</sup>, Gray<sup>1</sup> and Brown\*\*



UV stable, high-performance TPV insulator resists fading and cracking for greater service life

Ideal for replacement; plugs mate with other manufacturers' high-amperage single pole plugs and receptacles for fast, easy change-out



TPV dust cap protects contacts when disconnected

Contacts offered by cable size for the most secure connection. Each contact is designed for a specific cable size ranging from 313 MCM through 777 MCM

Contacts machined from a high conductivity copper alloy and silver-plated for corrosion resistance and superior conductivity

## Coupler

Color-coded, metal in-line coupler prevents separation of connectors and identifies phase



\*\* For additional colors, consult factory.

<sup>1</sup> Select configurations only.

See ordering information for details.

## 49 Series Device Ordering Information

### MALE PLUGS

Max Ampacity Conductor Size	636A 313 MCM	796A 444 MCM	898A 535 MCM	1009A 646 MCM	1135A 777 MCM	Replacement Sleeve
White	49M31-W	49M44-W	49M53-W	49M64-W	49M77-W	49MSL-W
Black	49M31-E	49M44-E	49M53-E	49M64-E	49M77-E	49MSL-E
Brown	49M31-H	49M44-H	49M53-H	49M64-H	49M77-H	49MSL-H
Red	49M31-R	49M44-R	49M53-R	49M64-R	49M77-R	49MSL-R
Blue	49M31-B	49M44-B	49M53-B	49M64-B	49M77-B	49MSL-B
Orange	49M31-O	49M44-O	49M53-O	49M64-O	49M77-O	49MSL-O
Green	49M31-G	49M44-G	49M53-G	49M64-G	49M77-G	49MSL-G
Yellow	49M31-Y	49M44-Y	49M53-Y	49M64-Y	49M77-Y	49MSL-Y
Purple	—	49M44-P	49M53-P	49M64-P	49M77-P	49MSL-P
Gray	49M31-GY	49M44-GY	49M53-GY	49M64-GY	49M77-GY	49MSL-GY
Replacement Contact	49M31-C	49M44-C	49M53-C	49M64-C	49M77-C	—

### FEMALE PLUGS

Max Ampacity Conductor Size	636A 313 MCM	796A 444 MCM	898A 535 MCM	1009A 646 MCM	1135A 777 MCM	Replacement Sleeve
White	49F31-W	49F44-W	49F53-W	49F64-W	49F77-W	49FSL-W
Black	49F31-E	49F44-E	49F53-E	49F64-E	49F77-E	49FSL-E
Brown	49F31-H	49F44-H	49F53-H	49F64-H	49F77-H	49FSL-H
Red	49F31-R	49F44-R	49F53-R	49F64-R	49F77-R	49FSL-R
Blue	49F31-B	49F44-B	49F53-B	49F64-B	49F77-B	49FSL-B
Orange	49F31-O	49F44-O	49F53-O	49F64-O	49F77-O	49FSL-O
Green	49F31-G	49F44-G	49F53-G	49F64-G	49F77-G	49FSL-G
Yellow	49F31-Y	49F44-Y	49F53-Y	49F64-Y	49F77-Y	49FSL-Y
Purple	—	—	49M53-P	—	49M77-P	49FSL-P
Gray	—	49F44-GY	49F53-GY	49F64-GY	49F77-GY	49FSL-GY
Replacement Contact	49F31-C	49F44-C	49F53-C	49F64-C	49F77-C	—

## 49 Series Panel Mounted Receptacles, 1135 A Max Features and Benefits

Ideal for replacement; receptacles mate with other manufacturers' high-amperage single pole plugs for fast, easy change-out

With thermal stability ranging from -60°C to 135°C (-76°F to 275°F) the high-performance TPV bus bar insulator resists cracking for greater service life

Receptacles deliver up to 1,135 Amps continuous duty

Cast aluminum powder-coated receptacle housing is color-coded for quick visual identification of circuit and phase connections

Captive stainless steel clevis bracket

"X" version receptacle housings feature a 45° angle stainless steel clevis pin that permits ganging of multiple receptacles in very close proximity to each other (as close as 1/4") for installation on smaller panels

TPV cap prevents contamination when receptacle is not in use

Detent pin allows clevis pin to stay secure in either open or closed position

Stainless steel clevis bracket accepts industry standard lockout



Available colors include:  
Black, White, Red, Blue, Green, Yellow, Orange, Brown, Purple & Gray. For additional colors, consult factory.

Color-coding the devices minimizes errors due to miswiring, and saves time during assembly and troubleshooting, especially on dusty and dirty oil rigs.

## 49 Series Device Ordering Information

### PANEL MOUNT RECEPTACLES

		Complete Male Receptacle		Complete Female Receptacle	
		Single Hole Bus Bar	Double Hole Bus Bar	Single Hole Bus Bar	Double Hole Bus Bar
<b>Receptacle Spacing:</b> 1/4" Horizontally, 3-1/4" Vertically  <b>Cable Size: 313-777 MCM</b> <b>Max Ampacity: 1135 A</b> <b>Voltage: 1000 V</b>	White	49MR1-CW	49MR2-CW	49FR1-CW	49FR2-CW
	Black	49MR1-CE	49MR2-CE	49FR1-CE	49FR2-CE
	Brown	49MR1-CH	49MR2-CH	49FR1-CH	49FR2-CH
	Red	49MR1-CR	49MR2-CR	49FR1-CR	49FR2-CR
	Blue	49MR1-CB	49MR2-CB	49FR1-CB	49FR2-CB
	Orange	49MR1-CO	49MR2-CO	49FR1-CO	49FR2-CO
	Green	49MR1-CG	49MR2-CG	49FR1-CG	49FR2-CG
	Yellow	49MR1-CY	49MR2-CY	49FR1-CY	49FR2-CY
	Purple	49MR1-CP	49MR2-CP	49FR1-CP	49FR2-CP
	Gray	49MR1-CGY	49MR2-CGY	49FR1-CGY	49FR2-CGY

		Complete Male Receptacle		Complete Female Receptacle	
		Single Hole Bus Bar	Double Hole Bus Bar	Single Hole Bus Bar	Double Hole Bus Bar
<b>Receptacle Spacing:</b> 1/4" Horizontally and Vertically, 45° Clevis Pin  <b>Cable Size: 313-777 MCM</b> <b>Max Ampacity: 1135 A</b> <b>Voltage: 1000 V</b>	White	49MR1-XW	49MR2-XW	49FR1-XW	49FR2-XW
	Black	49MR1-XE	49MR2-XE	49FR1-XE	49FR2-XE
	Brown	49MR1-XH	49MR2-XH	49FR1-XH	49FR2-XH
	Red	49MR1-XR	49MR2-XR	49FR1-XR	49FR2-XR
	Blue	49MR1-XB	49MR2-XB	49FR1-XB	49FR2-XB
	Orange	49MR1-XO	49MR2-XO	49FR1-XO	49FR2-XO
	Green	49MR1-XG	49MR2-XG	49FR1-XG	49FR2-XG
	Yellow	49MR1-XY	49MR2-XY	49FR1-XY	49FR2-XY
	Purple	49MR1-XP	49MR2-XP	49FR1-XP	49FR2-XP
	Gray	49MR1-XGY	49MR2-XGY	49FR1-XGY	49FR2-XGY

## 49 Series Device Ordering Information

### ACCESSORIES AND REPLACEMENT PARTS

	Description	Color	Material	Cat. No.
For Plugs	Clevis Pin for In-Line Connector Coupler	Silver	Stainless Steel	49PNR
	Male Dust Cap	Black	High-Performance TPV	49DSM
	Female Dust Cap	Black	High-Performance TPV	49DSF
	In-line Coupler	White	Powder-coated aluminum	49COP-W
	In-line Coupler	Black	Powder-coated aluminum	49COP-E
	In-line Coupler	Brown	Powder-coated aluminum	49COP-H
	In-line Coupler	Red	Powder-coated aluminum	49COP-R
	In-line Coupler	Blue	Powder-coated aluminum	49COP-B
	In-line Coupler	Orange	Powder-coated aluminum	49COP-O
	In-line Coupler	Green	Powder-coated aluminum	49COP-G
For Panel Mounted Receptacles	Clevis Pin for Panel Mount Receptacle	Silver	Stainless Steel	49PNR*
	Dust Cover Cap for Male or Female Receptacle	Black	High-Performance TPV	49DSR
	Receptacle Housing Gasket	Black	Rubber	49GAS
	Locking Ground Pin	—	Brass	15GND-UM
	Locking Ground Plug (Female)	Green	TPV/Brass	15D22-UG

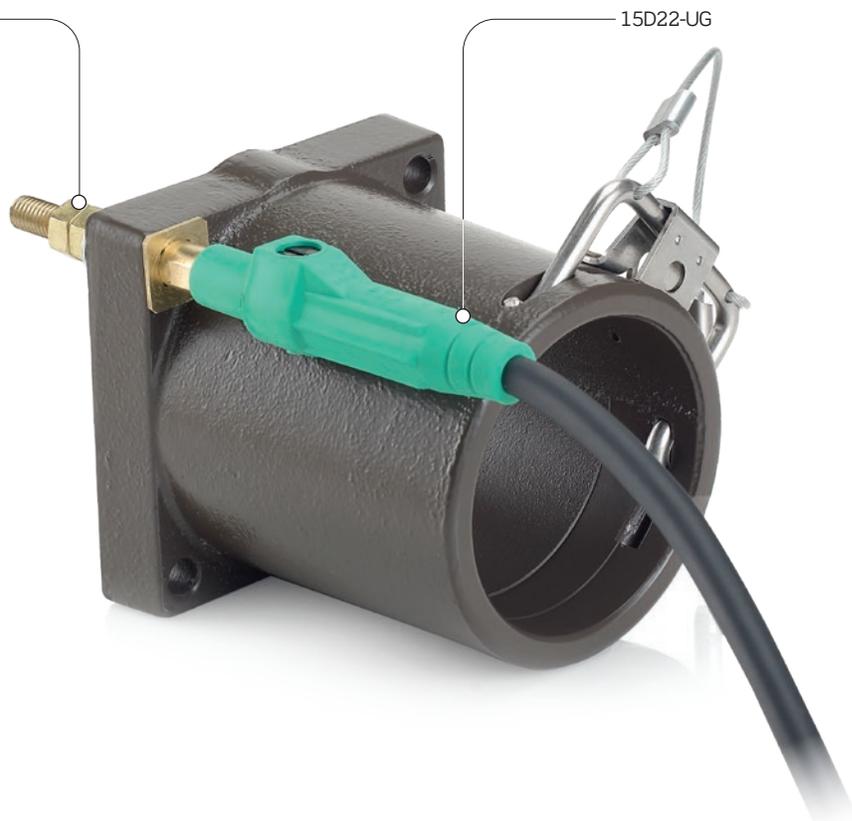
NOTE: Some items may require extended lead times; always consult with your local sales representative for current availability.

\* Does not fit "X" Version.

† For panel receptacle applications requiring a ground connection, simply install the 15GND-M locking ground pin in place of one of the panel receptacle mounting bolts. The locking ground pin accepts our standard 15D22 series single pole cam connectors as shown in the image at right.



15GND-UM



AMPACITY RATINGS IN 40° AMBIENT FOR HIGH AMPERAGE APPLICATIONS		
Cable Size	90°C (194°)	125°C (257°F)
313 MCM	513	636
444 MCM	642	796
535 MCM	724	898
646 MCM	814	1009
777 MCM	916	1135

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