Electronic Protection Devices

H

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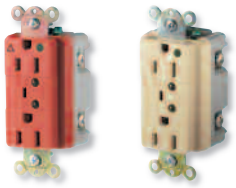
Protection for sensitive electronic equipment

Our Electronic Protection Devices offer protection against transient voltage and electromagnetic interference which prevent equipment from operating properly.



Hospital Grade Surge Protection Devices

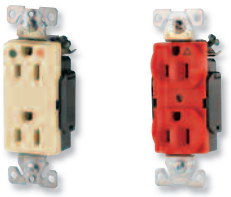
Protection for sensitive electronic equipment that is critical for daily operations.

Commercial Grade Surge Protection Devices

Innovative receptacle designs boast features such as built-in alarms or quick-change replacement protection modules.

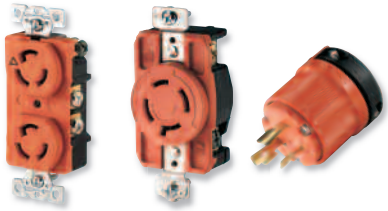
Surge Protection Strips and Adapters

Conveniently provide electronic surge protection where you need it.



Hospital & Industrial Grade Isolated Ground Devices

Built for heavy-duty use and designed for easy and quick installation.



Hart-Lock™ Industrial Isolated Ground Locking Devices

Rugged construction and materials ensure reliable protection of sensitive equipment.

Build-To-Spec

For Receptacles, Switches, GFCIs & TVSS devices

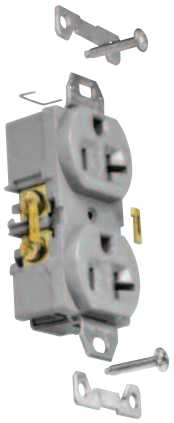
Modified at the factory to improve efficiency and speed production at the job site. Arrow Hart's Build-To-Spec program provides customized device solutions to simplify your project and maximize your bottom line.

Sample Number:

8300BLS	PSOL	X	Z	G	P

- **8300BLS** — ARROW/HART Base Catalog Number (including device color)
- **PSOL** — Add 6" leads: PSOL = #12 AWG solid, PSTR = #12 AWG stranded
- **X** — Remove mounting screws
- **Z** — Remove ears
- **G** — Remove ground clip
- **P** — Add push-in connector**

Arrow Hart 20A 125V NEMA 5-20 blue TVSS surge protection receptacle, with wire leads and push-in connectors, without mounting screws, ears, or grounding clip.



BUILD-TO-SPEC
CUSTOM CONFIGURED DEVICES
ARROW/HART

***For use with leaded devices only. Add "PSOL" to back of device catalog number for 6" of #12 AWG solid or "PSTR" for 6" of #12 AWG stranded. (Example: 8300BLSPSOL + Build to Spec Options).*

All devices are bulk packed 50 pieces per carton. Minimum order quantity is 100 pieces. Orders under 500 pieces ship within 5 days with larger quantities typically within 10 days.

ArrowLink

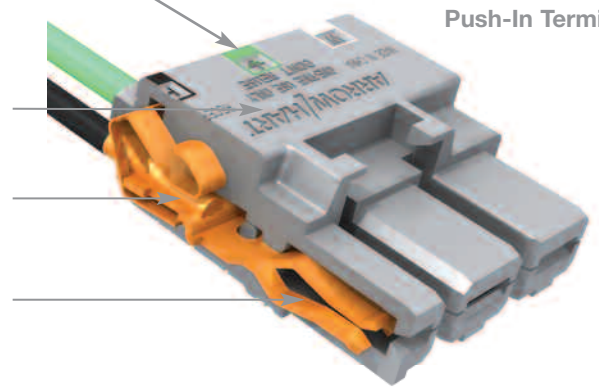
Arrow Hart's factory terminated ArrowLink system revolutionizes device installation, unleashing groundbreaking labor savings in installation and maintenance by eliminating traditional pigtailing, terminal connections and taping. Use ArrowLink on your next job to reduce labor costs, eliminate installation errors, save money and win!

Color coded terminals for consistent, reliable connections

Durable polycarbonate housing

Terminal accommodation #12-#14 AWG, solid only

Copper alloy contacts for superior wire retention and minimized heat rise



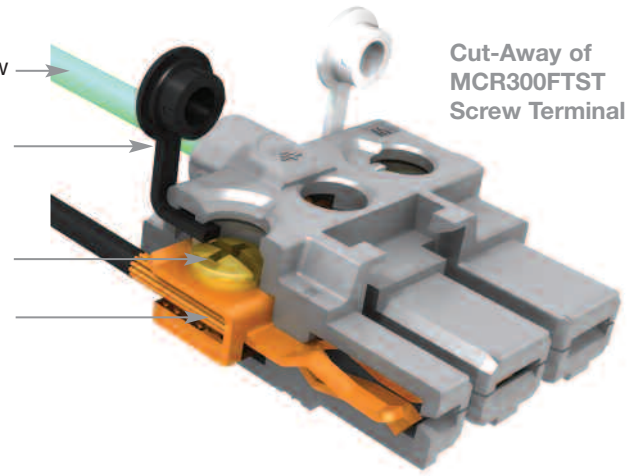
Cut-Away of MCR300FTPI Push-In Terminal

6", #12 AWG ground lead with ring terminal and captive ground screw

Color coded terminal screws guard caps

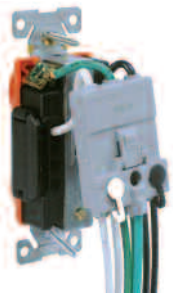
Color coded terminal screws

Terminal accommodation #12-#14 AWG, solid or stranded



Cut-Away of MCR300FTST Screw Terminal

How To Order

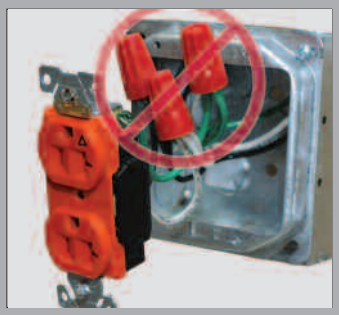


1. Select a Device to ArrowLink enable. Catalog pages identify available products-simply add an "M" to the catalog number and the devices will be factory enabled with the ArrowLink device-side connection. *(For GFCIs add "MOD" suffix)*

2. Choose from leaded or unleaded ArrowLink connector versions in screw-down or push-in models.

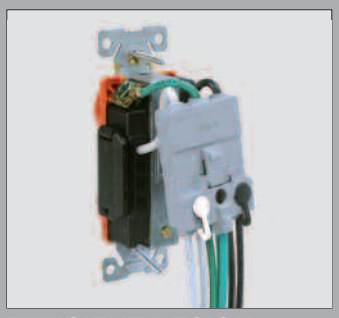
3. Place your order and get your ArrowLink devices in **bulk packed** boxes, shipped within 5 days of receipt of order!

ArrowLink SPD Benefits

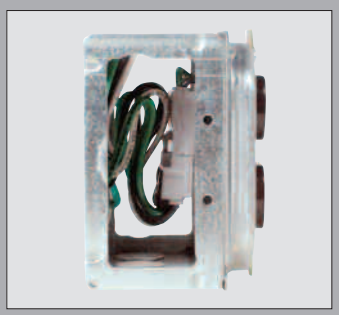


EASE OF INSTALLATION: No more twist-on wire connectors

50% TIME SAVINGS: SPD accelerates both rough-in & trim out installation



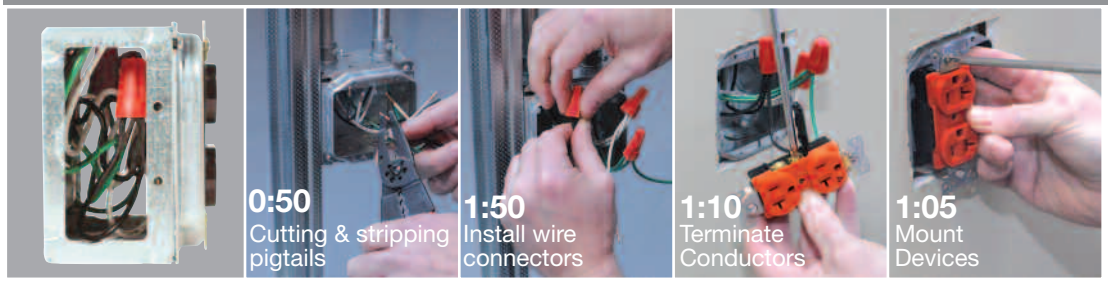
EFFICIENT DESIGN: Low profile connection with feed-through capability



30% REDUCTION in wire volume inside the box

ArrowLink SPD Comparative Labor Savings Analysis

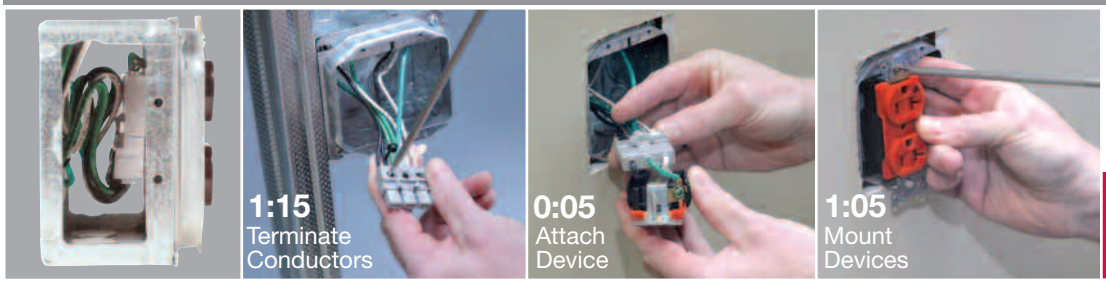
Traditional Pigtail Installation



4:55/Receptacle

Total time required to install 500 pigtail devices:
40.97 Hours

ArrowLink SPD Installation



2:25/Receptacle

Total time required to install 500 ArrowLink SPD devices:
20.13 Hours

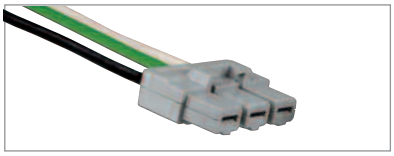
Time Saved with SPD
20.84 Hours

ARROWLINK™ Modular Wiring Devices

c UL us

Leaded ArrowLink Receptacle Connectors

Device Type	Description	Catalog No.
Receptacle	Solid Wire Leads – 125V	☐ **MCR125SOL**
	Stranded Wire Leads – 125V	☐ **MCR125STR**
	Solid Wire Leads– 250V	☐ **MCR250SOL**
	Stranded Wire Leads – 250V	☐ **MCR250STR**



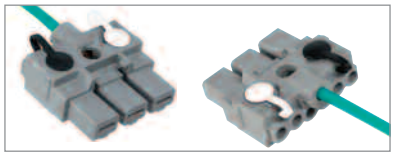
MCR125STR Leaded ArrowLink Connector

ARROWLINK™ SPD

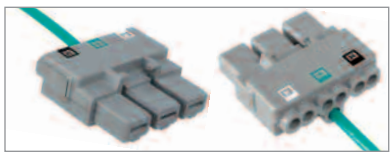
c UL us

ArrowLink SPD Receptacle Connectors

Device Type	Description	Catalog No.
Receptacle	Screw Terminal	☐ **MCR300FTST**
	Screw Terminal, No Ground Conductor	☐ **MCR300FTSTNG**
AVAILABLE SUMMER 2010!	Push-In	☐ **MCR300FTPI**
AVAILABLE SUMMER 2010!	Push-In, No Ground Conductor	☐ **MCR300FTPING**



MCR300FTST Screw Terminal



MCR300FTPI Push-In Terminal

ArrowLink Accessories

Device Type	Description	Catalog No.
Circuit Tester	Tests Receptacle & ArrowLink Connectors AVAILABLE SUMMER 2010!	☐ **ALTESTER**

ALTESTER Circuit Tester

Protect your valuables with Arrow Hart Surge Protection Receptacles

With over 50% of transient voltage originating from inside a building, Arrow Hart's Surge Protection point of use receptacles provide branch circuit surge protection for sensitive electronic equipment that panel mounted surge protection systems cannot provide.

Surge Protection Plus

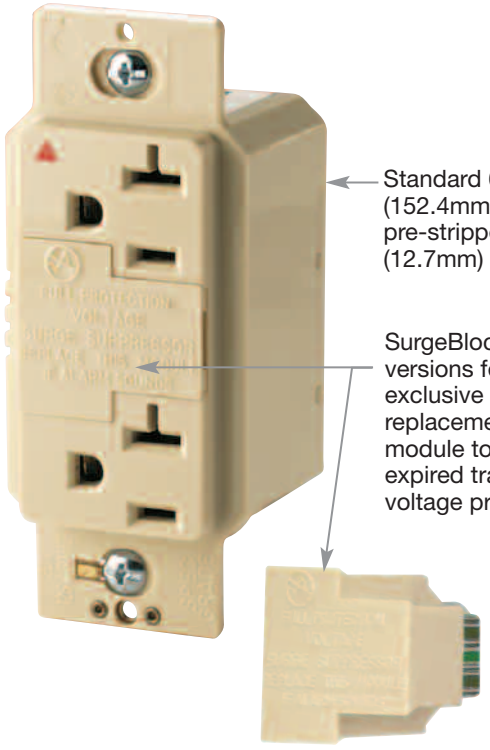
Audible alarm signals when transient voltage protection has expired

Green LED indicators to verify transient voltage protection and wiring diagnostics

Front access switch for muting audible alarm until device is replaced

Provides surge protection for hot to neutral, hot to ground and neutral to ground

SurgeBloc™



Standard 6" (152.4mm) leads, pre-stripped 0.50" (12.7mm)

SurgeBloc versions feature exclusive patented replacement module to restore expired transient voltage protection

Additional Features and Benefits

Surge Protection Plus

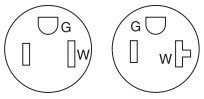
- Available in Hospital and Commercial Grades in 15A & 20A 125V configurations with LED, Audible Alarm and Isolated Ground versions
- 8-hole back and side wired
- High impact thermoplastic construction

SurgeBloc™

- Provides surge protection for hot to neutral, hot to ground and neutral to ground
- Available in Isolated Ground versions
- Audible alarm signals when surge protection has expired
- Noise protection against EMI and RFI standard

Surge Protection Receptacles with LED Indicators & Audible Alarm

2-Pole, 3-Wire Grounding
15A, 125V/AC
20A, 125V/AC
NEMA 5-15R & 5-20R

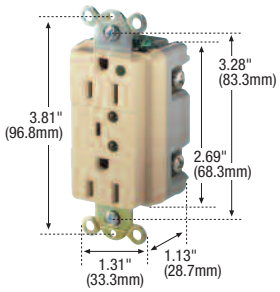


5-15R 5-20R

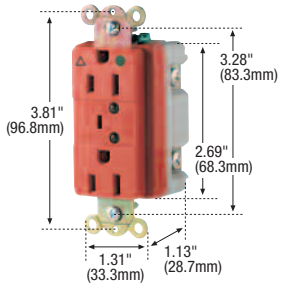
Surge Protection Receptacles w/Audible Alarm & LED Indicators

560 Joules, max. surge current - 18kA, MCOV - 150V/AC

Back Wire & Side Wire	15A, 125V NEMA 5-15R			20A, 125V NEMA 5-20R		
Description	Catalog No. Color Suffix			Catalog No. Color Suffix		
Hospital Grade Duplex Receptacle	☐ **8200___S** BL, GY, RD, V, W	•	•	☐ **8300___S** BL, GY, RD, V, W	•	•
IG Hospital Grade Duplex Receptacle	☐ **IG8200HG___S** BL, GY, RN, V, W	•	•	☐ **IG8300HG___S** BL, GY, RN, V, W	•	•
Commercial Grade Duplex Receptacle	☐ **5262___S** BL, GY, V, W	•	•	☐ **5362___S** BL, GY, V, W	•	•
IG Commercial Grade Duplex Receptacle	☐ **IG5262___S** BL, GY, RN, V, W	•	•	☐ **IG5362___S** BL, GY, RN, V, W	•	•



8200_S

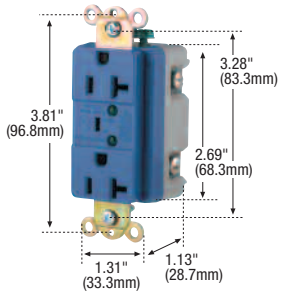


IG8200HG_S

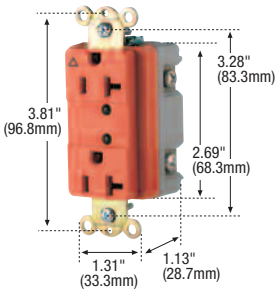
Surge Protection Receptacles w/LED Indicators

840 Joules, max. surge current - 18kA, MCOV - 150V/AC

Back Wire & Side Wire	15A, 125V NEMA 5-15R			20A, 125V NEMA 5-20R		
Description	Catalog No. Color Suffix			Catalog No. Color Suffix		
Commercial Grade Duplex Receptacle	☐ **5250___S** BL, GY, V, W	•	•	☐ **5350___S** BL, GY, V, W	•	•
IG Commercial Grade Duplex Receptacle	☐ **IG5250___S** BL, GY, RN, V, W	•	•	☐ **IG5350___S** BL, GY, RN, V, W	•	•



5362_S



IG5350_S

Color Ordering Information

For ordering receptacles, include Cat. No. followed by the color code: A (Almond), B (Brown), BK (Black), BL (Blue), GY (Gray), LA (Light Almond), RD (Red), RN (Orange), V (Ivory), W (White)

Icon Key

ArrowLink™ option available. Add "M" suffix to Standard catalog number (example 8300WS, 8300WSM). For ordering information on ArrowLink & ArrowLink SPD connectors, see pages H-2 & H-3.

Hospital Grade Device

Build-To-Spec Customizable Devices - see H-1

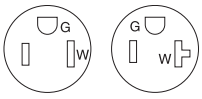
Specification Information:

Surge Protection Receptacles with Audible Alarm & LED: H-19

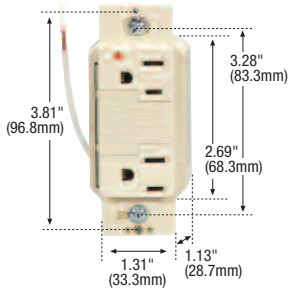
Surge Protection Receptacles with LED Indicators: H-20

SurgeBloc™ Surge Protection Receptacles with Audible Alarm

2-Pole, 3-Wire Grounding
15A, 125V/AC
20A, 125V/AC
NEMA 5-15R & 5-20R



5-15R 5-20R



IG1208

SurgeBloc Surge Protection Receptacles w/Audible Alarm

340 Joules, max. surge current - 12kA, MCOV - 127V/AC

Wire Leads	15A, 125V NEMA 5-15R			20A, 125V NEMA 5-20R		
Description	Catalog No. Color Suffix			Catalog No. Color Suffix		
Commercial Grade Duplex Receptacle	☐ **1208**___ A, V, W	•	•	☐ **1210**___ A, BL, V, W	•	•
IG Commercial Grade Duplex Receptacle	☐ **IG1208**___ BL, GY, V, W	•	•	☐ **IG1210**___ BL, GY, V, W	•	•

1209

Replacement SurgeBloc Module

Replacement Module

Description	Catalog No. Color Suffix
Replacement Module	☐ **1209**___ A, BL, GY, V, W

Color Ordering Information

For ordering receptacles, include Cat. No. followed by the color code: A (Almond), B (Brown), BK (Black), BL (Blue), GY (Gray), LA (Light Almond), RD (Red), RN (Orange), V (Ivory), W (White)

Icon Key

ArrowLink™ option available. Add "M" suffix to Standard catalog number (example 8300WS, 8300WSM). For ordering information on ArrowLink & ArrowLink SPD connectors, see pages H-2 & H-3.

Build-To-Spec Customizable Devices - see H-1

Accessories for Surge Protection Receptacles

Description	Catalog No.
1-Gang mid-size decorator polycarbonate wallplate, pre-marked "COMPUTER", Blue	☐ **PJ26COBL**
1-Gang mid-size decorator polycarbonate wallplate, REPEL, White	☐ **PJ26AMW**
1-Gang mid-size decorator polycarbonate wallplate, pre-marked "ISOLATED GROUND", Orange	☐ **PJ26IG**

PJ26COBL

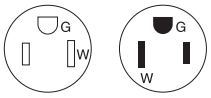
PJ26AMW

PJ26IG

Specification Information:
Commercial Grade SurgeBloc Surge Protection Receptacles: H-20

Surge Protection Adapters

2-Pole, 3-Wire Grounding
15A, 125V/AC
Plug-In, NEMA 5-15R



5-15R 5-15P

Six Outlet Surge Adapters – Plug-In

1177CG

1161CG

FEATURES

- Provides full three mode surge protection for hot to neutral, hot to ground and neutral to ground (except 1156CG).
- Center mounting screw provided for permanent attachment to receptacle.
- EMI/RFI filtering minimizes line noise.
- Made of high impact-resistant thermoplastic for long-term durability.
- Coaxial protection provided with "F" type connectors.
- Telephone/fax/modem protection provided with RJ11-type telephone ports (4-wire protection).
- $5,000 Connected Equipment Warranty on 1161CG, 1162CG and 1177CG.
- $2,500 Connected Equipment Warranty on 1156CG.

Six Outlet Surge Adapters – Plug-In

Rating A	Rating V/AC	Description	Joules Max Surge Current MCOV	Maximum Surge Current	Color	Catalog No.
15	125	Full Protection	170J 150V/AC RMS	12kA/mode	Computer Gray	☐ **1177CG**
		Full Protection w/ Coaxial Jacks	170J 150V/AC RMS	12kA/mode	Computer Gray	☐ **1161CG**
		Full Protection w/ Telephone Jacks	170J 150V/AC RMS	12kA/mode	Computer Gray	☐ **1162CG**
		Basic Protection	170J 150V/AC RMS	12kA/mode	Computer Gray	☐ **1156CG**

Surge Protection Power Strip

1176

FEATURES

- Portable strip provides 7 surge-protected outlets anywhere for stereos, TVs, computers or other electronic-based equipment.
- Full mode surge protection for hot to neutral, hot to ground and neutral to ground.
- Made of high impact-resistant thermoplastic for long-term durability.
- Comes complete with 14/3 SJT 4' (1.22m) portable cord.
- Pilot light on/off switch indicates power to unit.
- Resettable 15 amp circuit breaker.

Surge Protection Power Strip

Rating A	Rating V/AC	Description	Joules	Color	Catalog No.
15	125	Full Protection 7 Outlet with Circuit Breaker	70	Ivory	☐ **1176V**

The efficient and economical way to protect sensitive electronics

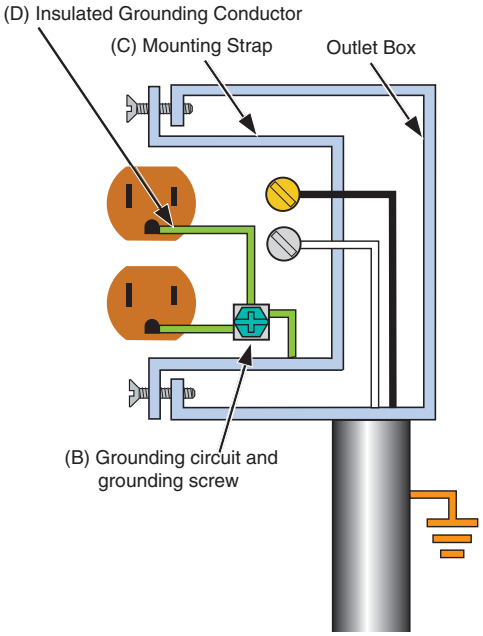
Operational degradation, disruption and damage from electronic noise in a conventionally grounded circuit can happen to any piece of equipment with a microprocessor; Arrow Hart's Isolated Ground Receptacles eliminate this to improve equipment performance.

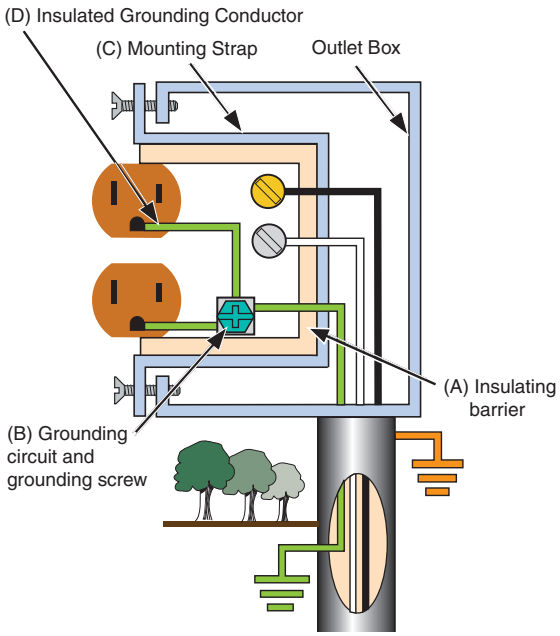
Conventional Receptacle

A conventional receptacle is grounded to the building grounding system at the receptacle. When mounted in the box, the receptacle's grounding contacts are connected to the box, fittings, conduit and all other building ground system components which can act as a large antenna for EMI and RFI (electronic) noise.

How an Isolated Ground Device is Different

Isolated Ground devices easily protect sensitive electronics or equipment from damage without the expense of using power conditioners. Grounding contacts are bonded directly to the service entrance grounding system. In the illustration the insulating barrier (A) isolates the grounding contacts (B) from the mounting strap (C). The insulated grounding conductor (D) is bonded to the service entrance grounding system, resulting in the protection of equipment that draws power from the isolated ground device.





For protection again both transient voltage spikes and electronic noise, choose an isolated ground surge protection TVSS receptacle.

2008 NEC® Section 250.146 Connecting Receptacle Grounding Terminal to Box

(D) Isolated Receptacles. Where installed for the reduction of electrical noise (electromagnetic interference) on the grounding circuit, a receptacle in which the grounding terminal is purposely insulated from the receptacle mounting means may be permitted. The receptacle grounding terminal shall be connected to an insulated equipment grounding conductor run with the circuit conductors. This equipment grounding conductor shall be permitted to pass through one or more panelboards without a connection to the panelboard grounding terminal bar as permitted in 408.40, Exception, so as to terminate within the same building or structure directly at an equipment grounding conductor terminal of the applicable derived system or service. Where installed in accordance with the provisions of this section, this equipment grounding conductor shall also be permitted to pass through boxes, wireways, or other enclosures without being connected to such enclosures.

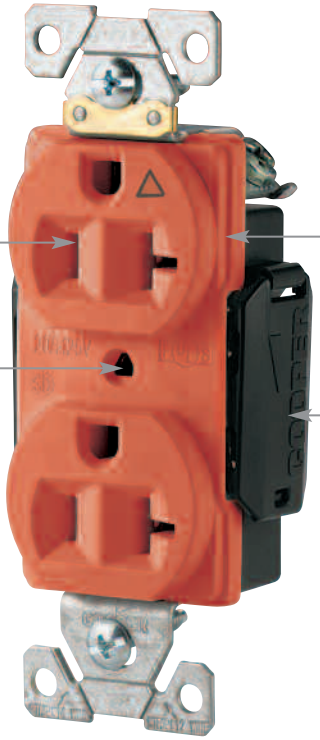
2008 NEC® Section 406.2 Receptacle Rating and Type

(D) Isolated Ground Receptacles. Receptacles incorporating an isolated grounding conductor connection intended for the reduction of electrical noise (electromagnetic interference) as permitted in 250.146(D) shall be identified by an orange triangle on the face of the receptacle.

Reduce electromagnetic interference (EMI) with Arrow Hart Isolated Ground Receptacles

Use of a properly wired isolated grounding circuit can significantly reduce EMI and provide a relatively “noise free” ground path to enhance the performance of sensitive electronic equipment.

Isolated Ground Straight Blade Receptacles



Exclusive 5-leaf brass line contacts ensure lowest heat rise, smooth plug blade insertion and long-term retention

Screw-Catch™ feature on duplex devices speeds mounting of wallplates

Exclusive 0.030" (0.76mm) solid brass non riveted, one piece isolated grounding shunt

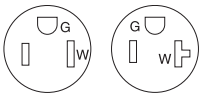
Exclusive screw terminal guards provide fast, easy insulation from conductive surfaces

Additional Features and Benefits

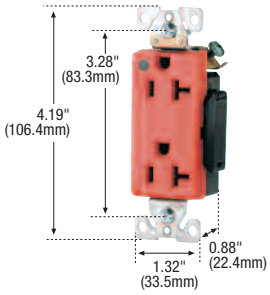
- Available in Hospital and Industrial grade duplex and single receptacles, in 15A & 20A, 125V & 250V configurations
- Rigid, glass reinforced nylon base lends ultimate strength and heat resistance in contact carrier
- High impact and chemical resistant nylon face
- Automatic grounding system assures wallplate is grounded when installed in a grounded metal enclosure

Isolated Ground Straight Blade Receptacles

2-Pole, 3-Wire Grounding
15A, 125V/AC
20A, 125V/AC
NEMA 5-15R & 5-20R



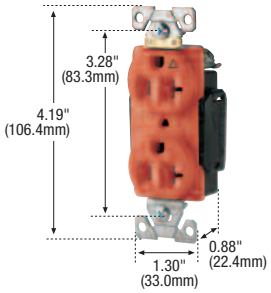
5-15R 5-20R



IG8362

Isolated Ground Duplex Straight Blade Receptacles

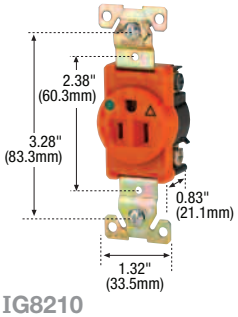
Back Wire & Side Wire	15A, 125V NEMA 5-15R				20A, 125V NEMA 5-20R			
Description	Catalog No. Color Suffix				Catalog No. Color Suffix			
Hospital Grade IG Duplex Receptacle	☐ **IG8200**___ GY, RD, RN, V, W	•		•	☐ **IG8300**___ GY, RD, RN, V, W	•		•
IG Hospital Grade Decorator Duplex Receptacle	☐ **IG8262**___ GY, RN, V, W	•		•	☐ **IG8362**___ BK, GY, RN, V, W	•		•
Industrial Grade Duplex Receptacle	☐ **IG5262**___ GY, RN, RD, V, W	•		•	☐ **IG5362**___ GY, RN, V, W	•		•



IG5362

Isolated Ground Single Straight Blade Receptacles

Back Wire & Side Wire	15A, 125V NEMA 5-15R			20A, 125V NEMA 5-20R		
Description	Catalog No. Color Suffix			Catalog No. Color Suffix		
Hospital Grade IG Single Receptacle	☐ **IG8210**___ RN	•	•	☐ **IG8310**___ RN	•	•
Industrial Grade Single Receptacle	☐ **IG5261**___ RN	•	•	☐ **IG5361**___ RN, V	•	•



IG8210

Color Ordering Information

For ordering receptacles, include Cat. No. followed by the color code: A (Almond), B (Brown), BK (Black), BL (Blue), GY (Gray), LA (Light Almond), RD (Red), RN (Orange), V (Ivory), W (White)

Icon Key

ArrowLink™ option available. Add "M" suffix to Standard catalog number (example 8300WS, 8300WSM). For ordering information on ArrowLink & ArrowLink SPD connectors, see pages H-2 & H-3.

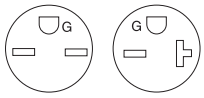
Hospital Grade Device
Build-To-Spec Customizable Devices - see H-1
NAFTA Compliant - see page O-30

Specification Information:

IG HG Duplex & Decorator Receptacle: H-21
IG Industrial Grade Receptacle: H-22
IG HG Single Receptacle: H-21
IG Industrial Grade Single Receptacle: H-22

Isolated Ground Straight Blade Receptacles

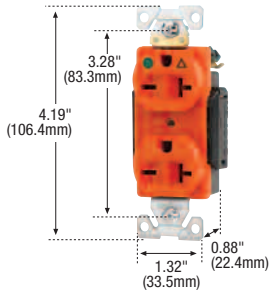
2-Pole, 3-Wire Grounding
15A, 250V/AC
20A, 250V/AC
NEMA 6-15R, 6-20R



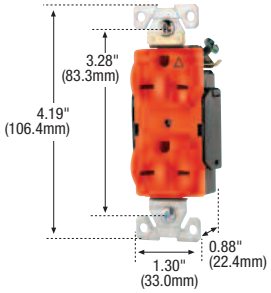
6-15R 6-20R

Isolated Ground Duplex Straight Blade Receptacles

Back Wire & Side Wire	15A, 250V/AC NEMA 6-15R				20A, 250V/AC NEMA 6-20R			
Description	Catalog No. Color Suffix				Catalog No. Color Suffix			
● Hospital Grade IG Duplex Receptacle					☐ **IG8400**___ RN			•
Industrial Grade Duplex Receptacle	☐ **IG5662**___ RN	•		•	☐ **IG5462**___ RN	•		•



IG8400



IG5662

Isolated Ground Single Straight Blade Receptacles

Back Wire & Side Wire	15A, 250V/AC NEMA 6-15R			20A, 250V/AC NEMA 6-20R			
Description	Catalog No. Color Suffix			Catalog No. Color Suffix			
Industrial Grade Single Receptacle	☐ **IG5661**___ RN	•	•	☐ **IG5461**___ RN	•	•	

Color Ordering Information

For ordering receptacles, include Cat. No. followed by the color code: A (Almond), B (Brown), BK (Black), BL (Blue), GY (Gray), LA (Light Almond), RD (Red), RN (Orange), V (Ivory), W (White)

Icon Key

ArrowLink™ option available. Add "M" suffix to Standard catalog number (example 8300WS, 8300WSM). For ordering information on ArrowLink & ArrowLink SPD connectors, see pages H-2 & H-3.

● Hospital Grade Device
Build-To-Spec Customizable Devices - see H-1
NAFTA Compliant - see page O-30

Accessories for Isolated Ground Straight Blade Receptacles

Description	Catalog No.	
1-Gang standard size duplex receptacle pre-marked stainless steel wallplate/"ISOLATED GROUND"	☐ **IG93101**	•
1-Gang mid-size duplex receptacle polycarbonate wallplate, REPEL, Ivory	☐ **PJ8AMV**	
1-Gang standard size duplex receptacle nylon wallplate, pre-marked "ISOLATED GROUND", Orange	☐ **IG5132RN**	•

IG93101

PJ8AMV

IG5132RN

Specification Information:

HG IG Duplex Receptacle: H-21
Industrial Grade Isolated Ground Duplex: H-22
Industrial Grade Isolated Ground Single: H-22

Rugged design for reliable protection

Superior materials and innovative design provide ease of use and reliable protection of critical equipment.

Locking Isolated Ground Receptacles

High strength, glass reinforced nylon body for durability and reliable protection

One-piece, double wipe contacts for superior conductivity and long term reliability

Grounding contact is isolated from system grounding

Double riveted mounting strap assembly provides reliable performance

Locking Isolated Ground Plugs

One piece grounding contacts for superior continuity

Tri-combo slotted/Phillips/ Robertson quick drive screws speed installation

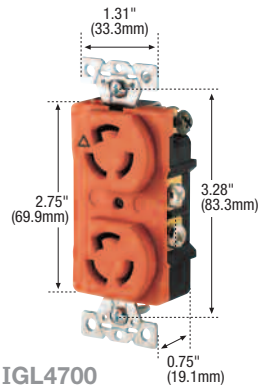
Tapered individual wire pockets guide wire into contact area for ease of installation

Neoprene gasket seals cord opening for added protection against contaminants

Hart-Lock™ Industrial Specification Grade Isolated Ground Locking Devices

2-Pole, 3-Wire Grounding
15A, 125V/AC
NEMA L5-15

L5-15R



IGL4700

15A, 125V/AC NEMA L5-15

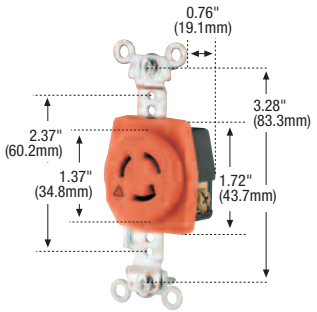
Isolated Ground Receptacles

Style & Description	Catalog No. Single Receptacle	Catalog No. Duplex Receptacle	Certifications
Isolated Ground, Orange	☐ IGL515R	☐ IG4700	• •

Hart-Lock™ Industrial Specification Grade Isolated Ground Locking Devices

2-Pole, 3-Wire Grounding
15A, 250V/AC
NEMA L6-15

L6-15R



IGL515R

15A, 250V/AC NEMA L6-15

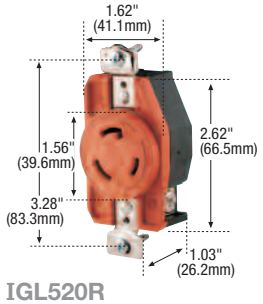
Isolated Ground Receptacles

Style & Description	Catalog No. Single Receptacle	Certifications
Isolated Ground, Orange	☐ IGL615R	• •

Hart-Lock™ Industrial Specification Grade Isolated Ground Locking Devices

2-Pole, 3-Wire Grounding
20A, 125V/AC
NEMA L5-20

L5-20R



IGL520R

20A, 125V/AC NEMA L5-20

Isolated Ground Receptacles

Style & Description	Catalog No. Single Receptacle	Certifications
Isolated Ground, Orange	☐ IGL520R	• • • •

Specification Information:

15A Hart-Lock Isolated Ground Single & Duplex Receptacles: C-90

20A Hart-Lock™ Isolated Ground Single Receptacles: C-91

Icon Key

NAFTA Compliant - see page O-30

Hart-Lock™ Industrial Specification Grade Isolated Ground Locking Devices

2-Pole, 3-Wire Grounding
20A, 250V/AC
NEMA L6-20

L6-20R

20A, 250V/AC NEMA L6-20

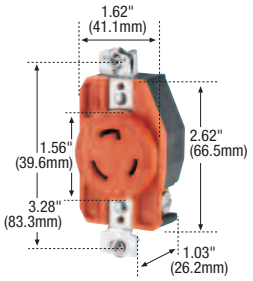
Isolated Ground Receptacles

Style & Description	Catalog No. Single Receptacle	Certifications
Isolated Ground, Orange	☐ **IGL620R**	• • • •

Hart-Lock™ Industrial Specification Grade Isolated Ground Locking Devices

2-Pole, 3-Wire Grounding
20A, 277V AC
NEMA L7-20

L7-20R



IGL720R

20A, 277V/AC NEMA L7-20

Isolated Ground Receptacles

Style & Description	Catalog No. Single Receptacle	Certifications
Isolated Ground, Orange	☐ **IGL720R**	• • •

Hart-Lock™ Industrial Specification Grade Isolated Ground Locking Devices

2-Pole, 3-Wire Grounding
20A, 480V/AC
NEMA L8-20

L8-20R

20A, 480V/AC NEMA L8-20

Isolated Ground Receptacles

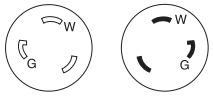
Style & Description	Catalog No. Single Receptacle	Certifications
Isolated Ground, Orange	☐ **IGL820R**	• • •

Specification Information:
20A Hart-Lock™ Isolated Ground Single Receptacles: C-91

Icon Key
NAFTA Compliant - see page O-30

Hart-Lock™ Industrial Specification Grade Isolated Ground Locking Devices

2-Pole, 3-Wire Grounding
30A, 125V/AC
NEMA L5-30



L5-30R L5-30P

30A, 125V/AC NEMA L5-30

Isolated Ground Receptacles

Style & Description	Catalog No. Single Receptacle	Certifications
Isolated Ground, Orange	☐ **IGL530R**	• • •

Isolated Ground Plug

Style & Description	Catalog No. Single Receptacle	Certifications
Saftey Grip™ Isolated Ground, Orange	☐ **IGL530P**	• •

Hart-Lock™ Industrial Specification Grade Isolated Ground Locking Devices

2-Pole, 3-Wire Grounding
30A, 250V/AC
NEMA L6-30

L6-30R

30A, 250V/AC NEMA L6-30

Isolated Ground Receptacles

Style & Description	Catalog No. Single Receptacle	Certifications
Isolated Ground, Orange	☐ **IGL630R**	• • •

Hart-Lock™ Industrial Specification Grade Isolated Ground Locking Devices

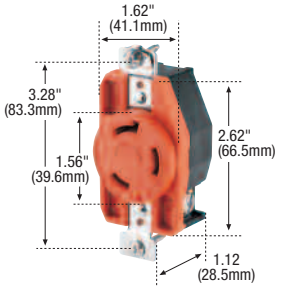
2-Pole, 3-Wire Grounding
30A, 277V/AC
NEMA L7-30

L7-30R

30A, 277V/AC NEMA L7-30

Isolated Ground Receptacles

Style & Description	Catalog No. Single Receptacle	Certifications
Isolated Ground, Orange	☐ **IGL730R**	• • •



IGL730R

Specification Information:

30A Hart-Lock™ Isolated Ground Single Receptacles: C-91

30A Hart-Lock™ 20A & 30A Safety Grip Plugs: C-89

Icon Key

NAFTA Compliant - see page O-30

Hart-Lock™ Industrial Specification Grade Isolated Ground Locking Devices

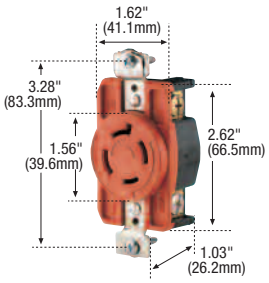
2-Pole, 3-Wire Grounding
30A, 480V/AC
NEMA L8-30

L8-30R

30A, 480V/AC NEMA L8-30

Isolated Ground Receptacles

Style & Description	Catalog No. Single Receptacle	Certifications
Isolated Ground, Orange	☐ **IGL830R**	• • •



IGL1420R

Hart-Lock™ Industrial Specification Grade Isolated Ground Locking Devices

3-Pole, 4-Wire Grounding
20A, 125/250V/AC
NEMA L14-20

L14-20R

20A, 125/250V/AC NEMA L14-20

Isolated Ground Receptacles

Style & Description	Catalog No. Single Receptacle	Certifications
Isolated Ground, Orange	☐ **IGL1420R**	• • • •

Hart-Lock™ Industrial Specification Grade Isolated Ground Locking Devices

3-Pole, 4-Wire Grounding
20A, 3Ø 250V/AC
NEMA L15-20

L15-20R

20A, 3Ø 250V/AC NEMA L15-20

Isolated Ground Receptacles

Style & Description	Catalog No. Single Receptacle	Certifications
Isolated Ground, Orange	☐ **IGL1520R**	• • • •

Specification Information:
20A & 30A Hart-Lock™ Isolated Ground Single Receptacles: C-91

Icon Key
NAFTA Compliant - see page O-30

Hart-Lock™ Industrial Specification Grade Isolated Ground Locking Devices

3-Pole, 4-Wire Grounding
20A, 3Ø 480V/AC
NEMA L16-20

L16-20R

20A, 3Ø 480V/AC NEMA L16-20

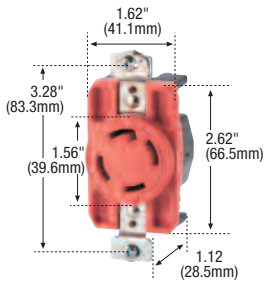
Isolated Ground Receptacles

Style & Description	Catalog No. Single Receptacle	Certifications
Isolated Ground, Orange	☐ IGL1620R	• • •

Hart-Lock™ Industrial Specification Grade Isolated Ground Locking Devices

3-Pole, 4-Wire Grounding
30A, 125/250V/AC
NEMA L14-30

L14-30R



IGL1430R

30A, 125/250V/AC NEMA L14-30

Isolated Ground Receptacles

Style & Description	Catalog No. Single Receptacle	Certifications
Isolated Ground, Orange	☐ IGL1430R	• • • •

Hart-Lock™ Industrial Specification Grade Isolated Ground Locking Devices

3-Pole, 4-Wire Grounding
30A, 3Ø 250V/AC
NEMA L15-30

L15-30R

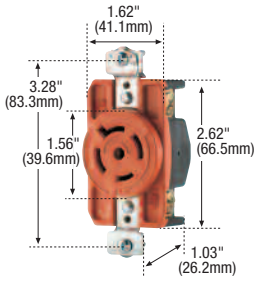
30A, 3Ø 250V/AC NEMA L15-30

Isolated Ground Receptacles

Style & Description	Catalog No. Single Receptacle	Certifications
Isolated Ground, Orange	☐ IGL1530R	• • • •

Specification Information:
20A Hart-Lock™ Isolated Ground Single Receptacles: C-91

Icon Key
NAFTA Compliant - see page O-30



IGL2120R

Hart-Lock™ Industrial Specification Grade Isolated Ground Locking Devices

4-Pole, 5-Wire Grounding
20A, 3ØY 120/208V/AC
NEMA L21-20

L21-20R

20A, 3ØY 120/208V/AC NEMA L21-20

Isolated Ground Receptacles

Style & Description	Catalog No. Single Receptacle	Certifications
Isolated Ground, Orange	☐ **IGL2120R**	• • • •

Hart-Lock™ Industrial Specification Grade Isolated Ground Locking Devices

4-Pole, 5-Wire Grounding
30A, 3ØY 120/208V/AC
NEMA L21-30

L21-30R

30A, 3ØY 120/208V/AC NEMA L21-30

Isolated Ground Receptacles

Style & Description	Catalog No. Single Receptacle	Certifications
Isolated Ground, Orange	☐ **IGL2130R**	• • • •

Hart-Lock™ Industrial Specification Grade Isolated Ground Locking Devices

4-Pole, 5-Wire Grounding
30A, 3ØY 277/480V/AC
NEMA L22-30

L22-30R

30A, 3ØY 277/480V/AC NEMA L22-30

Isolated Ground Receptacles

Style & Description	Catalog No. Single Receptacle	Certifications
Isolated Ground, Orange	☐ **IGL2230R**	• • • •

Hart-Lock™ Industrial Specification Grade Isolated Ground Locking Devices

4-Pole, 5-Wire Grounding
30A, 3ØY 347/600V/AC
NEMA L23-30

L23-30R

30A, 3ØY 347/600V/AC NEMA L23-30

Isolated Ground Receptacles

Style & Description	Catalog No. Single Receptacle	Certifications
Isolated Ground, Orange	☐ **IGL2330R**	• • • •

Specification Information:
20A & 30A Hart-Lock™ Isolated Ground Single Receptacles: C-91

Icon Key

NAFTA Compliant - see page O-30

Surge Protection Receptacles

2-Pole, 3-Wire Grounding
15A, 125V/AC; 20A, 125V/AC
NEMA 5-15, 5-20

		Receptacle Type	Hospital Grade 8200_S and 8300_S Duplex Surge Protection; IG8200HG_S and IG8300HG_S Duplex Surge Protection	Commercial Grade 5262_S and 5362_S Duplex Surge Protection; IG5262_S and IG5362_S Duplex Surge Protection
Wiring Type		Base Device	Back & side wire	Back & side wire
		ArrowLink	Integral wire leads, crimped & resistance welded	Integral wire leads, crimped & resistance welded
		ArrowLink SPD	Backwire feed through	Backwire feed through
Testing & Code Compliance		Base Device	• cULus listed to UL 1449 and 498, file no. E2369	• cULus listed to UL 1449 and 498, file no. E2369
		ArrowLink	• Plug & connector cULus listed to UL 2459, file no. E325188	• Plug & connector cULus listed to UL 2459, file no. E325188
		Combined Devices	• cULus listed wiring assembly, UL file no. E326691	• cULus listed wiring assembly, UL file no. E326691
Specifications: Environmental	Base Device	Flammability	Meets UL 94 requirements; V2 rated	Meets UL 94 requirements; V2 rated
		Temperature Rating	-40°C to 60°C (-40°F to 140°F)	-40°C to 60°C (-40°F to 140°F)
	ArrowLink	Flammability	Meets UL 94 requirements; V2 rated	Meets UL 94 requirements; V2 rated
		Temperature Rating	-20°C to 90°C (-4°F to 194°F)	-20°C to 90°C (-4°F to 194°F)
Specifications: Electrical	Base Device	Voltage Protection Rating	L-N & L-G modes: 600V pk; N-G mode: 1200V pk	L-N & L-G modes: 600V pk; N-G mode: 1200V pk
		Surge Performance	560 Joules MCOV - 150V/AC RMS; max. surge current: 18kA per mode	560 Joules MCOV - 150V/AC RMS; max. surge current: 18kA per mode
		Dielectric Voltage	Withstands 2000V per UL 498	Withstands 2000V per UL 498
		Current Interrupting	Yes, at full-rated current	Yes, at full-rated current
		Temperature Rise	Max. 30°C (86°F) after 100 cycles of overload @ 150% of rated current (DC)	Max. 30°C (86°F) after 100 cycles of overload @ 150% of rated current (DC)
	ArrowLink	Max. Working Voltage & Continuous Current	300V/AC; 20A	300V/AC; 20A
		Overload	52.5A/AC for 10 cycles	52.5A/AC for 10 cycles
		Dielectric Voltage	Withstands 1600V per UL 2459	Withstands 1600V per UL 2459
		Current Interrupting	Limited cycles at full-rated current	Limited cycles at full-rated current
		Temperature Rise	Max. 50°C (122°F) while conducting 35A after 10 cycles of overload @ 52.5A/AC	Max. 50°C (122°F) while conducting 35A after 10 cycles of overload @ 52.5A/AC
Specifications: Mechanical	Base Device	Terminal Accommodation	#14 - #10 AWG	#14 - #10 AWG
		Green LED Indicators	Verify surge protection and ground	Verify surge protection and ground
		Alarm	Audible, indicates compromised connection or surge protection has expired	Audible, indicates compromised connection or surge protection has expired
		Front Access Switch	For muting audible arm until device is replaced	For muting audible arm until device is replaced
		Voltage Ratings	Permanently marked on device	Permanently marked on device
	ArrowLink	ArrowLink Wire Leads	#12 AWG	#12 AWG
		ArrowLink SPD Screw Terminals	Accepts #12-#14 AWG stranded and solid wire	Accepts #12-#14 AWG stranded and solid wire
		ArrowLink SPD Ground	Integral THHN #12 AWG 6" lead with ring terminal and #10 ground screw	Integral THHN #12 AWG 6" lead with ring terminal and #10 ground screw
Materials:	Base Device	Top Housing	Thermoplastic, nylon	Thermoplastic, nylon
		Bottom Housing	Nylon	Nylon
		Strap	0.050" thick steel, zinc plated with gold chromate	0.05" thick steel, zinc plated with gold chromate
		Line Contacts	0.030" triple wipe brass	0.030" triple wipe brass
		Terminal & Ground Screws	#8-32 brass, neutral screw nickel plated, ground screw green	#8-32 brass, neutral screw nickel plated, ground screw green
	ArrowLink	ArrowLink Housing	Polycarbonate	Polycarbonate
		ArrowLink Contacts	Copper alloy	Copper alloy
		ArrowLink Wire Leads (where applicable)	Solid or stranded THHN #12 AWG	Solid or stranded THHN #12 AWG

Surge Protection Receptacles

2-Pole, 3-Wire Grounding
15A, 125V/AC; 20A, 125V/AC
NEMA 5-15, 5-20

		Receptacle Type	Commercial Grade 5250_S and 5350_S Duplex Surge Protection; IG5250_S and IG5350_S Duplex Surge Protection	Commercial Grade SurgeBloc 1200 Series, IG1200 Series
Wiring Type		Base Device	Back & side wire	6" wire leads
		ArrowLink	Integral wire leads, crimped & resistance welded	N/A
		ArrowLink SPD	Backwire feed-through	N/A
Testing & Code Compliance		Base Device	• cULus listed to UL 1449 and 498, file no. E2369	• Listed to UL 1449 and 498, file no. E15058 • CSA certified to C22.2, no. 42, file no. 6914
		ArrowLink	• Plug & connector cULus listed to UL 2459, file no. E325188	N/A
		Combined Devices	• cULus listed wiring assembly, UL file no. E326691	N/A
Specifications: Environmental	Base Device	Flammability	Meets UL 94 requirements; V2 rated	Meets UL 94 requirements; V2 rated
		Temperature Rating	-40°C to 60°C (-40°F to 140°F)	-20°C to 40°C (-4°F to 104°F)
	ArrowLink	Flammability	Meets UL 94 requirements; V2 rated	N/A
		Temperature Rating	-20°C to 90°C (-4°F to 194°F) max.	N/A
Specifications: Electrical	Base Device	Voltage Protection Rating	L-N mode: 700V pk; L-G mode: 600V pk; N-G mode: 600V pk	L-N & L-G modes: 600V pk N-G mode: 1000V pk
		Surge Performance	840 Joules MCOV - 150V/AC RMS; max. surge current: 18kA per mode	340 Joules MCOV - 127V/AC RMS; max. surge current: 12kA per mode
		Dielectric Voltage	Withstands 2000V per UL 498	Withstands 2000V per UL 498
		Current Interrupting	Yes, at full-rated current	Yes, at full-rated current
		Temperature Rise	Max. 30°C (86°F) after 100 cycles of overload @ 150% of rated current (DC)	Max. 30°C (86°F) after 100 cycles of overload @ 150% of rated current (DC)
	ArrowLink	Max. Working Voltage & Continuous Current	300V/AC; 20A	N/A
		Overload	52.5A/AC for 10 cycles	N/A
		Dielectric Voltage	Withstands 1600V per UL 2459	N/A
		Current Interrupting	Limited cycles at full-rated current	N/A
		Temperature Rise	Max. 50°C (122°F) while conducting 35A after 10 cycles of overload @ 52.5A /AC	N/A
Specifications: Mechanical	Base Device	Terminal Accommodation	#14 - #10 AWG	6" #12 AWG pre-stripped wire leads
		Green LED Indicators	Verify surge protection and ground	N/A
		Alarm	N/A	Audible, indicates compromised connection or surge protection has expired
		Voltage Ratings	Permanently marked on device	Permanently marked on device
	ArrowLink	ArrowLink Wire Leads	#12 AWG	N/A
		ArrowLink SPD Screw Terminals	Accepts #12 - #14 AWG stranded and solid wire	N/A
		ArrowLink SPD Ground	Integral THHN #12 AWG 6" lead with ring terminal and #10 ground screw	N/A
Materials:	Base Device	Top Housing	Thermoplastic, nylon	Polycarbonate
		Bottom Housing	Nylon	Polycarbonate
		Strap	0.05" thick steel, zinc plated with gold chromate	Polycarbonate
		Line Contacts	0.030" triple wipe brass	0.030" triple wipe brass
		Terminal & Ground Screws	#8-32 brass, neutral screw nickel plated, ground screw green	N/A
	ArrowLink	ArrowLink Housing	Polycarbonate	N/A
		ArrowLink Contacts	Copper alloy	N/A
		ArrowLink Wire Leads (where applicable)	Solid or stranded THHN #12 AWG	N/A

Isolated Ground Receptacles

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

		Receptacle Type	Hospital Grade IG8200, IG8300 and IG8400 Series Duplex Receptacles; IG8262 and IG8362 Series Decorator Duplex Receptacles	Hospital Grade Single Receptacles IG8210, IG8310
Wiring Type		Base Device	Back & side wire	Back & side wire
		ArrowLink	Integral wire leads, crimped & resistance welded	Integral wire leads, crimped & resistance welded
		ArrowLink SPD	Backwire feed-through	Backwire feed-through
Testing & Code Compliance		Base Device	• Listed to UL 498, file no. E15058 • UL verified to Federal Spec. WC-596G • CSA certified to C22.2, no. 42, file no. 6914, class 6233-01 • NOM certified	• Listed to UL 498, file no. E15058 • UL verified to Federal Spec. WC-596G • CSA certified to C22.2, no. 42, file no. 6914, class 6233-01 • NOM certified
		ArrowLink	• Plug & connector cULus listed to UL 2459, file no. E325188	• Plug & connector cULus listed to UL 2459, file no. E325188
		Combined Devices	• cULus listed wiring assembly, UL file no. E326691	• cULus listed wiring assembly, UL file no. E326691
Specifications: Environmental	Base Device	Flammability	Meets UL 94 requirements; V2 rated	Meets UL 94 requirements; V2 rated
		Temperature Rating	-20°C to 70°C (-4°F to 158°F)	-20°C to 70°C (-4°F to 158°F)
	ArrowLink	Flammability	Meets UL 94 requirements; V2 rated	Meets UL 94 requirements; V2 rated
		Temperature Rating	-20°C to 90°C (-4°F to 194°F) max.	-20°C to 90°C (-4°F to 194°F) max.
Specifications: Electrical	Base Device	Dielectric Voltage	Withstands 2000V per UL 498	Withstands 2000V per UL 498
		Current Interrupting	Yes, at full-rated current	Yes, at full-rated current
		Temperature Rise	Max. 30°C (86°F) after 250 cycles of overload @ 200% of rated current (DC)	Max. 30°C (86°F) after 250 cycles of overload @ 200% of rated current (DC)
	ArrowLink	Max. Working Voltage & Continuous Current	300V/AC; 20A	300V/AC; 20A
		Overload	52.5A/AC for 10 cycles	52.5A/AC for 10 cycles
		Dielectric Voltage	Withstands 1600V per UL 2459	Withstands 1600V per UL 2459
		Current Interrupting	Limited cycles at full-rated current	Limited cycles at full-rated current
		Temperature Rise	Max. 50°C (122°F) while conducting 35A after 10 cycles of overload @ 52.5A/AC	Max. 50°C (122°F) while conducting 35A after 10 cycles of overload @ 52.5A/AC
Specifications: Mechanical	Base Device	Terminal Accommodation	#14 - #10 AWG	#14 - #10 AWG
		Voltage Ratings	Permanently marked on device	Permanently marked on device
	ArrowLink	ArrowLink Wire Leads	#12 AWG	#12 AWG
		ArrowLink SPD Screw Terminals	Accepts #12 - #14 AWG stranded and solid wire	Accepts #12 - #14 AWG stranded and solid wire
		ArrowLink SPD Ground	Integral THHN #12 AWG 6" lead with ring terminal and #10 ground screw	Integral THHN #12 AWG 6" lead with ring terminal and #10 ground screw
Materials:	Base Device	Top Housing	Thermoplastic, nylon	Thermoplastic, nylon
		Bottom Housing	Glass-filled nylon	Thermoplastic, nylon
		Strap	0.05" thick galvanized steel	0.05" zinc plate gold iridite
		Isolated Ground Contact	0.05" thick brass, one piece	0.05" thick solid brass, one piece
		Auto Ground Clip	Brass	Phosphor bronze wire
		Line Contacts	Exclusive 0.031" thick 5-leaf brass	0.037" thick 3-leaf brass
		Terminal & Ground Screws	#8-32 brass, neutral screw nickel plated, ground screw green	#8-32 brass, neutral screw nickel plated, hot screw brass plated, ground screw green
		Screw Terminal Guards	PVC hinged doors	N/A
	ArrowLink	ArrowLink Housing	Polycarbonate	Polycarbonate
		ArrowLink Contacts	Copper alloy	Copper alloy
		ArrowLink Wire Leads (where applicable)	Solid or stranded THHN #12 AWG	Solid or stranded THHN #12 AWG

Isolated Ground Receptacles

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

		Receptacle Type	Industrial Grade IG5262, IG5362, IG5462, IG5662 Series Duplex Receptacles	Industrial Grade IG5261, IG5361, IG5461 and IG5661 Series Single Receptacles
Wiring Type		Base Device	Back & side wire	Back & side wire
		ArrowLink	Integral wire leads, crimped & resistance welded	Integral wire leads, crimped & resistance welded
		ArrowLink SPD	Backwire feed-through	Backwire feed-through
Testing & Code Compliance		Base Device	• Listed to UL 498, file no. E15058 • UL verified to Federal Spec. WC-596G • CSA certified to C22.2, no. 42, file no. 6914, class 6233-01 • NOM certified	• Listed to UL 498, file no. E15058 • UL verified to Federal Spec. WC-596G • CSA certified to C22.2, no. 42, file no. 6914, class 6233-01 • NOM certified
		ArrowLink	• Plug & connector cULus listed to UL 2459, file no. E325188	• Plug & connector cULus listed to UL 2459, file no. E325188
		Combined Devices	• cULus listed wiring assembly, UL file no. E326691	• cULus listed wiring assembly, UL file no. E326691
Specifications: Environmental	Base Device	Flammability	Meets UL 94 requirements; V2 rated	Meets UL 94 requirements; V2 rated
		Temperature Rating	-20°C to 70°C (-4°F to 158°F)	-20°C to 70°C (-4°F to 158°F)
	ArrowLink	Flammability	Meets UL 94 requirements; V2 rated	Meets UL 94 requirements; V2 rated
		Temperature Rating	-20°C to 90°C (-4°F to 194°F) max.	-20°C to 90°C (-4°F to 194°F) max.
Specifications: Electrical	Base Device	Dielectric Voltage	Withstands 2000V per UL 498	Withstands 2000V per UL 498
		Current Interrupting	Yes, at full-rated current	Yes, at full-rated current
		Temperature Rise	Max. 30°C (86°F) after 250 cycles of overload @ 200% of rated current (DC)	Max. 30°C (86°F) after 250 cycles of overload @ 200% of rated current (DC)
	ArrowLink	Max. Working Voltage & Continuous Current	300V/AC; 20A	300V/AC; 20A
		Overload	52.5A/AC for 10 cycles	52.5A/AC for 10 cycles
		Dielectric Voltage	Withstands 1600V per UL 2459	Withstands 1600V per UL 2459
		Current Interrupting	Limited cycles at full-rated current	Limited cycles at full-rated current
		Temperature Rise	Max. 50°C (122°F) while conducting 35A after 10 cycles of overload @ 52.5A/AC	Max. 50°C (122°F) while conducting 35A after 10 cycles of overload @ 52.5A/AC
Specifications: Mechanical	Base Device	Terminal Accommodation	#14 - #10 AWG	#14 - #10 AWG
		Voltage Ratings	Permanently marked on device	Permanently marked on device
	ArrowLink	ArrowLink Wire Leads	#12 AWG	#12 AWG
		ArrowLink SPD Screw Terminals	Accepts #12-#14 AWG stranded and solid wire	Accepts #12-#14 AWG stranded and solid wire
		ArrowLink SPD Ground	Integral THHN #12 AWG 6" lead with ring terminal and #10 ground screw	Integral THHN #12 AWG 6" lead with ring terminal and #10 ground screw
Materials:	Base Device	Top Housing	Thermoplastic, nylon	Thermoplastic, nylon
		Bottom Housing	Glass-filled nylon	Thermoplastic, nylon
		Strap	0.05" thick galvanized steel	0.05" zinc plate gold iridite
		Isolated Ground Contact	0.05" thick brass, one piece	0.05" thick solid brass, one piece
		Auto Ground Clip	Brass	Phosphor bronze wire
		Line Contacts	Exclusive 0.031" thick 5-leaf brass	0.037" thick 3-leafbrass
		Terminal & Ground Screws	#8-32 brass, neutral screw nickel plated, ground screw green	#8-32 brass, neutral screw nickel plated, hot screw brass plated, ground screw green
		Screw Terminal Guards	PVC hinged doors	N/A
	ArrowLink	ArrowLink Housing	Polycarbonate	Polycarbonate
		ArrowLink Contacts	Copper alloy	Copper alloy
		ArrowLink Wire Leads (where applicable)	Solid or stranded THHN #12 AWG	Solid or stranded THHN #12 AWG