## Protecting People From Electrical Shock Hazards

CTION

ArrowHart's complete offering of Ground Fault Circuit Interrupters (GFCIs) is built to meet every need in commercial, industrial and institutional settings, whether permanent or temporary – and is fully compliant with the latest UL943 standards for GFCIs



Hospital Specification Grade GFCIs Designed for safety and reliability, Arrow Hart GFCI receptacles meet the strict standards of UL943 (GFCI) and UL498 (Hospital Grade Receptacle Standards). Plus, our broad line provides solutions including Tamper Resistant, ArrowLink Modular and NAFTA compliant versions.



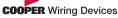
#### **Specification Grade GFCIs**

Arrow Hart GFCI receptacles meet the stringent UL943 (GFCI) standards, plus our broad line provides solutions for commercial, industrial and institutional applications.



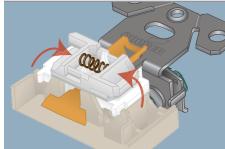
Industrial Grade Portable GFCIs Specifically designed to protect personnel and equipment from ground fault hazards in indoor or outdoor job site applications.





### Tamper Resistant, Weather Resistant, and Tamper & Weather Resistant Receptacles

How the Tamper Resistant System Works:



Shutters restrict access in closed position.



"TR" mold mark provides quick visual confirmation of tamper resistance when installed.

A) Commercial Locations 2011 NEC

517.18 (C) Pediatric Locations

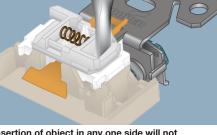
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406.14 Child Care Facilities

listed tamper resistant cover.

406.13 Guest Rooms & Guest Suites



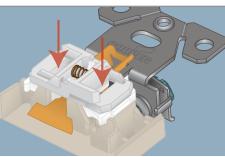
Insertion of object in any one side will not open shutters.



"WR" identifier quickly indicates during inspections that a weather resistant receptacle has been installed.

#### B) Dwelling Units 2011 NEC - 406.12

In all areas specified in 210.52 all 125volt, 15- and 20-amp receptacles shall be listed tamper resistant receptacles.



Insertion of two-bladed plug or grounding plug will open shutters.



Both the "TR" mold mark and "WR" identifier are clearly visible in the finished installation, indicating double-layer protection for maximum safety.

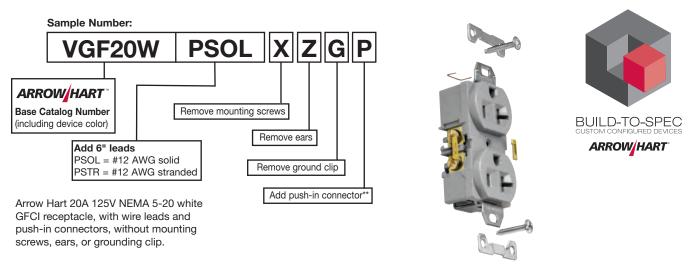
#### C) Damp or Wet Locations 2011 NEC - 406.9

All 15- and 20-amp, 125- and 250-volt non-locking receptacles installed in wet or damp locations shall be weather resistant receptacles.

## **Build-To-Spec**

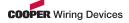
For Receptacles, Switches, GFCIs & TVSS devices

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.



\*\*For use with leaded receptacles only. Add "PSOL" to back of receptacle catalog number for 6" of #12 AWG solid or "PSTR" for 6" of #12 AWG stranded. (Example: VGF20W PSOL + Build to Spec Options).

All receptacles 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<sup>™</sup>

Arrow Hart's factory terminated ArrowLink system revolutionizes device installation, unleashing ground breaking 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

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 MCR300FTPI Push-In Terminal

> 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



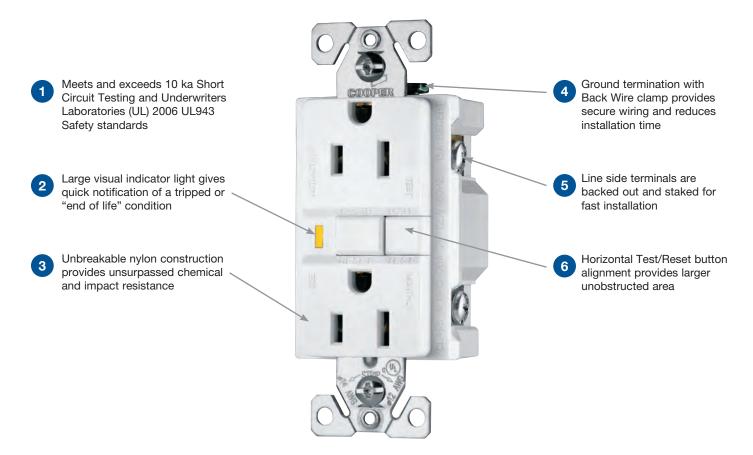
**30% REDUCTION** in wire volume inside the box



ARROW HART

ShockSentry<sup>™</sup> GFCIs Provide State-of-the-Art, Dependable Electrical Shock Protection In addition to being tested to the highest standards to help ensure safety, Arrow Hart GFCIs will deny power and prevent re-setting if the device is no longer able to provide safe, protected power

#### ShockSentry<sup>™</sup> Ground Fault Circuit Interrupter



### ShockSentry<sup>™</sup> Ground Fault Circuit Interrupter

#### **Additional Features & Benefits**

- Tapered Back Wire openings handle multiple wire sizes and types for applications up to #10 AWG solid or stranded wire
- When downstream receptacles are wired from load side, a 20 amp feed-through rating offers full protection
- Test and reset buttons are color matched to provide superior aesthetics
- Longer, wider "bridge" strap provides 40% more contact area with wallboard, virtually eliminating floating installations
- Exclusive built-in wire stripper provides fast stripping of wire without tools
- Line-load miswiring protection: ShockSentry GFCI's will not provide power downstream when wired incorrectly
- Tri-combo head terminal and mounting screws



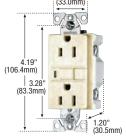
Specification Grade Ground Fault Circuit Interrupter Receptacles 2-Pole, 3-Wire Grounding 15A, 125V/AC; 20A, 125V/AC NEMA 5-15, 5-20



5-20R

5-15R

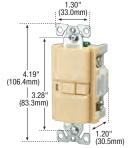
(3.0mm)



VGF15-AG



VGFS15-MSP



VGFD20

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nterrupter Receptacles	NEMA 5

Sp	ecific	cation	Grade Automatic Ground GFCIs	us <u>NOM</u> 426	
Ra	ating	NEMA	Description	Color Suffix	Catalog No.
15			Auto Ground Duplex GFCI, Back & Side Wire	V, W	□ VGF15AG
20	125	5-20R	Duplex Receptacle, Back & Side Wire	V, W	□ VGF20AG

Та	Tamper Resistant Specification Grade Automatic Ground GFCIs				<u> </u> c 🕕 us 🚻
Ra	Rating				
Α	V/AC	NEMA	Description	Color Suffix	Catalog No.
15	125	5-15R	Duplex GFCI, Back & Side Wire	A, B, BK, GY, LA, V, W	TRVGF15AG

 20
 125
 5-20R
 Duplex GFCI, Back & Side Wire
 A, B, BK, GY, LA, V, W
 TRVGF20\_\_\_\_AG

 Specification Grade Combination GFCI Receptacle & Switch
 Image: Color Suffix

 Rating

 A
 V/AC
 NEMA
 Description

 Color Suffix
 Catalog No.

	~	1/AO		Description		Oatalog No.
	15	125	5-15R	GFCI Receptacle with Feed- Through Single-Pole Switch (rated 1800W @ 120V/AC, 60Hz)	V, W	□ VGFS15MSF

#### Specification Grade Blank Face GFCI 🛛 🕀 🖩 🎆

Ra	ting			
Α	V/AC	Description	Color Suffix	Catalog No.
20	125	Blank Face (Dead Front) GFCI, Rated as 1.5HP Motor	V, W	UVGFD20
		Control Switch, Back & Side Wire		

#### Accessories for GFCIs

Description	Color Suffix	Catalog No.	
GFCI 7/8" extension ring, cULus Listed	B, BK, LA, V, W	GFER	
Metal self-closing horizontal 1-Gang weather protective cover, decor	□ S1966		
While-In-Use metal weather protective standard depth 1-Gang cover	□ WIUMV-1		





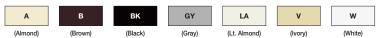
WIUMV-1



V-1 WIUMH-1



For ordering devices, include Catalog No. followed by the Color Suffix: A (Almond), B (Brown), BK (Black), GY (Gray), LA (Light Almond), V (Ivory), W (White)



Specification Information: Specification Grade GFCI: I-16, Specification Grade Combo GFCI Receptacle & Switch: I-17, Specification Grade Blank Face GFCI : I-17

Specifications and availability are subject to change without notice.

Indicates NAFTA Compliant - Page R-30

Tamper Resistant



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## Hospital Specification Grade Ground Fault Circuit Interrupter Receptacles

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

		Device Type	Hospital Grade Duplex GFCI 15A & 20A: VGFH Series and VGFH_F ArrowLink: MCR125_, MCR250_, MCR300_ Series	Hospital Grade Tamper Resistant Duplex GFCI 15A & 20A: TRVGFH and TRVGFH_F Series ArrowLink: MCR125_, MCR250_, MCR300_ Series
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	Back Wire feed through	Back Wire feed through
			<ul> <li>cULus Listed to UL498 and UL943, file no. E60120</li> </ul>	<ul> <li>cULus Listed to UL498 and UL943, file no. E60120</li> </ul>
Code	ance	Base Device	Meets all UL943 (GFCI), UL498 (Receptacles), UL498     Hospital Grade and applicable CSA requirements	Meets all UL943 (GFCI), UL498 (Receptacles), UL498     Hospital Grade and applicable CSA requirements
0 0	plia		NOM certified	NOM certified
Testin	Compliance	ArrowLink	Plug & connector cULus Listed to UL2459, file no. E325188	Plug & connector cULus Listed to UL2459, file no. E325188
		Combined	<ul> <li>cULus Listed wiring assembly, UL file no. E326691</li> </ul>	cULus Listed wiring assembly, UL file no. E326691
ns: tal	se ice	Flammability	Meets UL94 requirements; V2 rated	Meets UL94 requirements; V2 rated
Specifications: Environmental	Base Device	Temperature Rating	-35°C to 66°C (-31°F to 150.8°F)	-35°C to 66°C (-31°F to 150.8°F)
iro	ş×	Flammability	Meets UL94 requirements; V2 rated	Meets UL94 requirements; V2 rated
Spe	Arrow- Link	Temperature Rating	-35°C to 66°C (-31°F to 150.8°F)	-35°C to 66°C (-31°F to 150.8°F)
		Dielectric Voltage	Withstands 2000V per UL498	Withstands 2000V per UL498
		Current Interrupting	Yes, at full-rated current	Yes, at full-rated current
	Device	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)
a		Trip Time	0.025 seconds (Class A)	0.025 seconds (Class A)
ŭ.	Base	Frequency	60 Hz; Voltage: 125V; Amperage: 15A/20A 20A Feed Through	60 Hz; Voltage: 125V; Amperage: 15A/20A 20A Feed Through
lle	ä	Short Circuit Testing	Meets and exceeds 10 kA	Meets and exceeds 10 kA
Specifications: Electrical		Maximum Interrupting Capacity	20 Amps	20 Amps
cati		Max. Working Voltage	300V/AC	300V/AC
cifi		Max. Continuous Current	20A	20A
spe	ink	Overload	52.5A/AC for 10 cycles	52.5A/AC for 10 cycles
, v)	۲ ۲	Dielectric Voltage	Withstands 1600V per UL2459	Withstands 1600V per UL2459
	ArrowLink	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
		Base Device Terminal Accommodation	#14 - #10 AWG	#14 - #10 AWG
Suo	a	ArrowLink Wire Leads	#12 AWG	#12 AWG
ificati	Mechanical	ArrowLink SPD Screw Terminals	Accepts #12-#14 stranded and solid wire	Accepts #12-#14 stranded and solid wire
Spec	Me	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
		Voltage Rating	Permanently marked on device	Permanently marked on device
Specifications:	screw lerminal Guards	ArrowLink Models Only	Material: UL recognized insulating material Dielectric Strength: 2,000V min. HWI Rating: 4 min. Relative temperature index, electrical: 80°C (176°F) Flammability: V0 (UL94)	Material: UL recognized insulating material Dielectric Strength: 2,000V min. HWI Rating: 4 min. Relative temperature index, electrical: 80°C (176°F) Flammability: V0 (UL94)
		Top Housing	Nylon	Nylon
	e	Bottom Housing	Polycarbonate	Polycarbonate
	evic	Strap	0.047" thick steel, zinc plated	0.047" thick steel, zinc plated
	ŏ	Line Contacts	0.030" thick brass	0.030" thick brass
<u>.:</u>	Base Device	Terminal & Ground Screws	#8-32 steel, brass plated; neutral screw nickel plated, ground screw green	#8-32 steel, brass plated; neutral screw nickel plated, ground screw green
Materials:		Terminal Clamps	0.070" thick steel	0.070" thick steel
late	5	Housing	Polycarbonate	Polycarbonate
2	Arrow- Link	Contacts	Copper alloy	Copper alloy
	ΓĀ	Wire Leads	Solid or stranded THHN #12 AWG	Solid or stranded THHN #12 AWG
	ow- SPD	Housing	Polycarbonate	Polycarbonate
	Arrow- Link SPD	Contacts	Copper alloy	Copper alloy



SECTION

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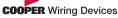
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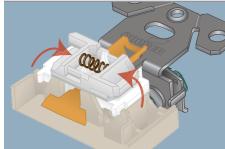
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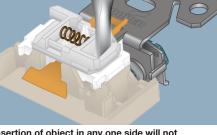
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406.14 Child Care Facilities

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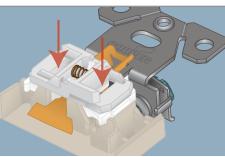
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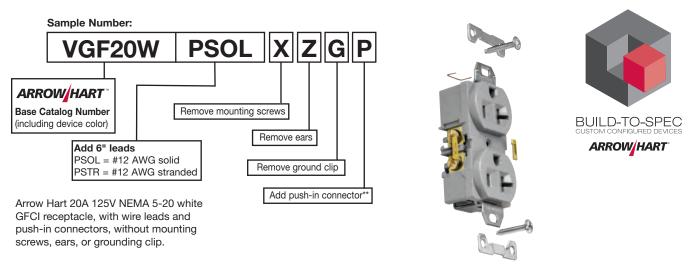
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## **Build-To-Spec**

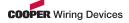
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Copper alloy contacts for superior wire retention and minimized heat rise

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 MCR300FTPI Push-In Terminal

> Cut-Away of MCR300FTST Screw Terminal

# How To Order



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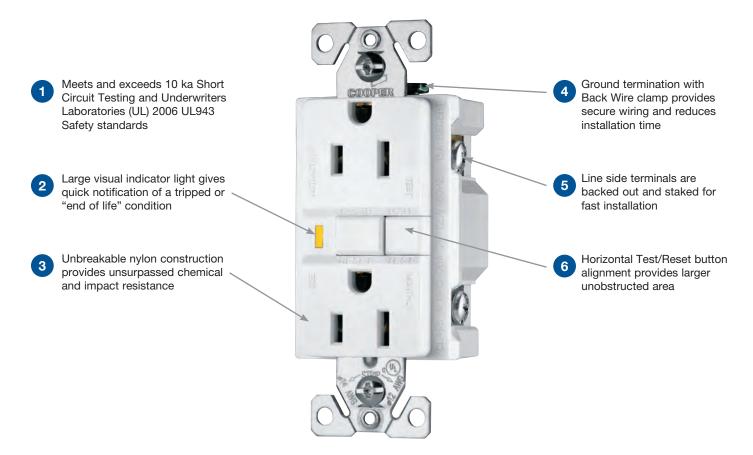
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ARROW HART

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#### ShockSentry<sup>™</sup> Ground Fault Circuit Interrupter



### ShockSentry<sup>™</sup> Ground Fault Circuit Interrupter

#### **Additional Features & Benefits**

- Tapered Back Wire openings handle multiple wire sizes and types for applications up to #10 AWG solid or stranded wire
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- Tri-combo head terminal and mounting screws



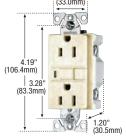
Specification Grade Ground Fault Circuit Interrupter Receptacles 2-Pole, 3-Wire Grounding 15A, 125V/AC; 20A, 125V/AC NEMA 5-15, 5-20



5-20R

5-15R

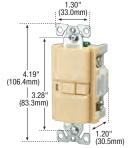
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VGF15-AG



VGFS15-MSP



VGFD20

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nterrupter Receptacles	NEMA 5

Sp	ecific	cation	Grade Automatic Ground GFCIs	us <u>NOM</u> 426	
Ra	ating	NEMA	Description	Color Suffix	Catalog No.
15			Auto Ground Duplex GFCI, Back & Side Wire	V, W	□ VGF15AG
20	125	5-20R	Duplex Receptacle, Back & Side Wire	V, W	□ VGF20AG

Та	Tamper Resistant Specification Grade Automatic Ground GFCIs				<u> </u> c 🕕 us 🚻
Ra	Rating				
Α	V/AC	NEMA	Description	Color Suffix	Catalog No.
15	125	5-15R	Duplex GFCI, Back & Side Wire	A, B, BK, GY, LA, V, W	TRVGF15AG

 20
 125
 5-20R
 Duplex GFCI, Back & Side Wire
 A, B, BK, GY, LA, V, W
 TRVGF20\_\_\_\_AG

 Specification Grade Combination GFCI Receptacle & Switch
 Image: Color Suffix

 Rating

 A
 V/AC
 NEMA
 Description

 Color Suffix
 Catalog No.

	~	1/AO		Description		Oatalog No.
	15	125	5-15R	GFCI Receptacle with Feed- Through Single-Pole Switch (rated 1800W @ 120V/AC, 60Hz)	V, W	□ VGFS15MSF

#### Specification Grade Blank Face GFCI 🛛 🕀 🖩 🎆

Ra	ting			
Α	V/AC	Description	Color Suffix	Catalog No.
20	125	Blank Face (Dead Front) GFCI, Rated as 1.5HP Motor	V, W	UVGFD20
		Control Switch, Back & Side Wire		

#### Accessories for GFCIs

Description	Color Suffix	Catalog No.	
GFCI 7/8" extension ring, cULus Listed	B, BK, LA, V, W	□ GFER	
Metal self-closing horizontal 1-Gang weather protective cover, decor	□ S1966		
While-In-Use metal weather protective standard depth 1-Gang cover	□ WIUMV-1		





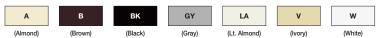
WIUMV-1



V-1 WIUMH-1



For ordering devices, include Catalog No. followed by the Color Suffix: A (Almond), B (Brown), BK (Black), GY (Gray), LA (Light Almond), V (Ivory), W (White)



Specification Information: Specification Grade GFCI: I-16, Specification Grade Combo GFCI Receptacle & Switch: I-17, Specification Grade Blank Face GFCI : I-17

Specifications and availability are subject to change without notice.

Indicates NAFTA Compliant - Page R-30

Tamper Resistant



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## Hospital Specification Grade Ground Fault Circuit Interrupter Receptacles

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

		Device Type	Hospital Grade Duplex GFCI 15A & 20A: VGFH Series and VGFH_F ArrowLink: MCR125_, MCR250_, MCR300_ Series	Hospital Grade Tamper Resistant Duplex GFCI 15A & 20A: TRVGFH and TRVGFH_F Series ArrowLink: MCR125_, MCR250_, MCR300_ Series	
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	Back Wire feed through	Back Wire feed through	
			<ul> <li>cULus Listed to UL498 and UL943, file no. E60120</li> </ul>	<ul> <li>cULus Listed to UL498 and UL943, file no. E60120</li> </ul>	
Code		Base Device	Meets all UL943 (GFCI), UL498 (Receptacles), UL498     Hospital Grade and applicable CSA requirements	Meets all UL943 (GFCI), UL498 (Receptacles), UL498     Hospital Grade and applicable CSA requirements	
0 0	plia		NOM certified	NOM certified	
Testing & Code Compliance		ArrowLink	Plug & connector cULus Listed to UL2459, file no. E325188	Plug & connector cULus Listed to UL2459, file no. E325188	
		Combined	<ul> <li>cULus Listed wiring assembly, UL file no. E326691</li> </ul>	cULus Listed wiring assembly, UL file no. E326691	
Specifications: Environmental	se ice	Flammability	Meets UL94 requirements; V2 rated	Meets UL94 requirements; V2 rated	
	Base Device	Temperature Rating	-35°C to 66°C (-31°F to 150.8°F)	-35°C to 66°C (-31°F to 150.8°F)	
	Arrow- Link	Flammability	Meets UL94 requirements; V2 rated	Meets UL94 requirements; V2 rated	
		Temperature Rating	-35°C to 66°C (-31°F to 150.8°F)	-35°C to 66°C (-31°F to 150.8°F)	
		Dielectric Voltage	Withstands 2000V per UL498	Withstands 2000V per UL498	
		Current Interrupting	Yes, at full-rated current	Yes, at full-rated current	
	Device	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)	
a		Trip Time	0.025 seconds (Class A)	0.025 seconds (Class A)	
ŭ.	Base	Frequency	60 Hz; Voltage: 125V; Amperage: 15A/20A 20A Feed Through	60 Hz; Voltage: 125V; Amperage: 15A/20A 20A Feed Through	
lle	ä	Short Circuit Testing	Meets and exceeds 10 kA	Meets and exceeds 10 kA	
Specifications: Electrical		Maximum Interrupting Capacity	20 Amps	20 Amps	
cati		Max. Working Voltage	300V/AC	300V/AC	
cifi	ArrowLink	Max. Continuous Current	20A	20A	
spe		Overload	52.5A/AC for 10 cycles	52.5A/AC for 10 cycles	
, v)		Dielectric Voltage	Withstands 1600V per UL2459	Withstands 1600V per UL2459	
		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	
		Base Device Terminal Accommodation	#14 - #10 AWG	#14 - #10 AWG	
Suo	a	ArrowLink Wire Leads	#12 AWG	#12 AWG	
ificati	Mechanical	ArrowLink SPD Screw Terminals	Accepts #12-#14 stranded and solid wire	Accepts #12-#14 stranded and solid wire	
Spec	Me	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	
		Voltage Rating	Permanently marked on device	Permanently marked on device	
Specifications: Screw Terminal Guards		ArrowLink Models Only	Material: UL recognized insulating material Dielectric Strength: 2,000V min. HWI Rating: 4 min. Relative temperature index, electrical: 80°C (176°F) Flammability: V0 (UL94)	Material: UL recognized insulating material Dielectric Strength: 2,000V min. HWI Rating: 4 min. Relative temperature index, electrical: 80°C (176°F) Flammability: V0 (UL94)	
	Base Device	Top Housing	Nylon	Nylon	
		Bottom Housing	Polycarbonate	Polycarbonate	
		Strap	0.047" thick steel, zinc plated	0.047" thick steel, zinc plated	
		Line Contacts	0.030" thick brass	0.030" thick brass	
<u>.:</u>		Terminal & Ground Screws	#8-32 steel, brass plated; neutral screw nickel plated, ground screw green	#8-32 steel, brass plated; neutral screw nickel plated, ground screw green	
eria		Terminal Clamps	0.070" thick steel	0.070" thick steel	
Materials:	Linv	Housing	Polycarbonate	Polycarbonate	
		Contacts	Copper alloy	Copper alloy	
		Wire Leads	Solid or stranded THHN #12 AWG	Solid or stranded THHN #12 AWG	
	ow- SPD	Housing	Polycarbonate	Polycarbonate	
	Arrow- Link SPD	Contacts	Copper alloy	Copper alloy	



SECTION