



Eaton's Arrow Hart
Food & beverage solutions

Food & beverage solutions

Increase efficiency, maintain code compliance,
ensure workplace safety and reduce downtime
in your facility

Arrow Hart



Powering Business Worldwide

Connecting safety to reliability with
Arrow Hart products since 1890.

The single source for all your unique power and connectivity needs

Today your business must increase efficiency, maintain code compliance, ensure workplace safety and reduce downtime. Eaton's Arrow Hart offering is the source for the entire food & beverage industry's wiring device needs - from field to table.

What matters:
Connecting safety to reliability
with **Arrow Hart** products since 1890.

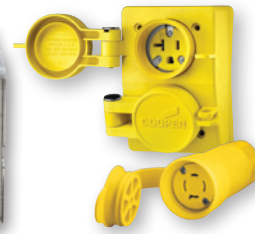
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We have solutions designed to keep the food & beverage industry productive, safe and compliant.

- Specially designed for harsh environments with oils, chemicals, detergents and washdowns
- Ensure personnel and equipment safety in the workplace
- Designed and built tough to withstand rough service from a physically abusive environment
- Provide compliance with relevant codes and standards
- Reduce downtime and deliver labor savings from longer-lasting designs, easier changeouts and quick, secure connections
- Part of a complete line of products for all your facility's needs



X-Switch
motor control



Watertight
devices



Corrosion
resistant
receptacles



IP69K Watertight
IEC 309 pin &
sleeve devices



Wire mesh
grips



Portable power
& protection

Are you tired of electrical device breakdowns?

Let Eaton's Arrow Hart help address your food & beverage electrical service and maintenance issues. Our team of professionals understand your applications, installation needs and relevant codes and standards.

Below are a few common examples of challenges and solutions found in today's food & beverage facilities:



Challenge:

Motor control breakdowns

Degraded performance and compromised mechanical integrity due to installations in abusive locations and exposure to contaminants



Arrow Hart solution:

X-Switch motor control

Extra heavy-duty disconnect switch and enclosure designed specifically for the food & beverage industry. NSF listed and rated NEMA 4X and IP69K making it ideal for washdowns and long product life



Challenge:

Frequent receptacle failure

Need to protect workers and equipment from ground faults. However, there is no GFCI around and receptacles are not able to withstand the wet environments



Arrow Hart solution:

Watertight devices

Portable GFCI with watertight plugs and connectors that feature components focused on protection from harsh environments and are resistant to corrosion



Challenge:

Wire exposure

Need to string power to various locations and the facility requires mobility of equipment and frequent connections. Over time there is a risk of exposed wire and personnel safety



Arrow Hart solution:

Industrial plugs & connectors with wire mesh grips

Add more durability and strain relief to cable runs with stainless steel support products. Designed to absorb excess tension and preserve electrical connections

Full facility audit program

Regular audits of food & beverage facilities are critical to ensure workplace safety, code compliance and equipment uptime. Contact us today to conduct an audit of your facility and identify ways we can provide solutions for your unique needs: call **1-866-853-4293** or e-mail **cwdmarketing@eaton.com**

Eaton's Arrow Hart knows the unique electrical challenges the food service industry faces

Whether you need to control an irrigation system or provide power to a dairy feed lot, Eaton's Arrow Hart line delivers the performance and broadest selection of products that the unique, multi-faceted world of agri-business requires



Handling and sorting lines

When it comes to handling and sorting at your facility, you can rely on Arrow Hart products to provide the flexibility and durability to keep your conveyor systems, hoppers and sorting equipment running



Washdown environments

Eaton's Arrow Hart products are the single-source for all of a facility's power and connectivity needs. Our products are designed with the sanitation of bulk tanks, pumping stations, mixers, and climate-controlled warehouses in mind. You can count on Arrow Hart devices for safe, reliable connections in harsh environments no matter the level of washdown.



Facility maintenance & updates

When it comes time for facility maintenance, Eaton's Arrow Hart offers a full line of temporary power products to help provide secure connections and protection for personnel and sensitive electronics.

Icon key

Look for these icons for help identifying items that are designed for these specific areas, challenges and uses:



Hose down zone

areas require devices specifically designed to withstand washdown



Non-food zone

areas require devices that will withstand heavy use without degrading



Electrical integrity

means reliable, quality power plus ground continuity to keep you running



Environmental durability

is key to providing reliable performance in hostile environments



Ease of installation

directly impacts a facility's productivity and labor costs



Safety

goes beyond simple code compliance and ensures a productive workplace

Codes & standards

Choose devices certified by NSF and UL that help you comply with NEC and OSHA

Your needs combined with our understanding of the complex codes and standards result in products specifically engineered to give you the best device for the job.

National Sanitation Foundation

The National Sanitation Foundation is an independent certifier of products and systems specifically for the food processing industry. NSF Certified devices must pass an extensive battery of tests that include design, construction and material requirements plus performance testing.

The NSF has identified two different locations for equipment used in food processing:

- Food Zone certified items are in direct contact with food or food products as a part of normal operations.
- Non-Food Zone certified items are in areas other than where direct contact with food products normally occurs and outside washdown areas. Products must withstand general cleaning plus normal wear and tear without adding contamination to protected spaces or food products.

Underwriters Laboratories

Underwriters Laboratories is an independent safety testing and certification organization. "UL Listed" electrical devices are certified to have passed initial testing and periodic retesting for conformity to standards.

NEC®

The National Electric Code®, renewed every 3 years, provides for the adequate protection of life and property from dangers associated with the use of electricity. For example, the code requires Ground Fault Circuit Interrupters (GFCIs) within 6 feet of sinks, in bathrooms, kitchens, outdoor areas and on rooftops in non-dwelling facilities.

OSHA

Part of the U.S. Department of Labor, the Occupational Health and Safety Administration's mission is to assure and enforce standards for safe working conditions and equipment. Complying with OSHA is a two-step process: first, products in use must be approved or listed by an authorized testing agency; second, products must be properly installed and/or used in accordance with OSHA guidelines.



Environmental Ratings

You can trust Eaton's Arrow Hart to provide quality products meeting the environmental ratings of your complex environments. Our products have gone through rigorous testing and are certified with independent agencies.

NEMA Type 4X

Enclosures rated to NEMA Type 4X are completely watertight, raintight, and provide superior corrosion resistance

IP66

Products rated to IP66 are completely dust tight and have watertight seal that resists 1,000 psi water spray when fully mated

IP69K

Products rated to IP69K are completely dust tight and protected against effects of high pressure (1450 psi), high temperature liquids (176°F) making them the perfect solution for food & beverage applications.

Choose the switch designed for longevity in complex environments

The Arrow Hart X-Switch excels where standard industrial switches are most susceptible to failure: in physically abusive areas containing a host of contaminants that attack device integrity like oils, chemicals, water, and moisture.



Application

X-Switch is designed specifically for industrial manufacturing applications exposed to frequent washdowns.

UL 508 motor controller "suitable as motor disconnect" to comply with requirements of NEC® 430.

X-Switch is ideal for food processing, storage and service. Applications include meat and poultry processing, dairy, bottling, bakeries, distilleries and commercial kitchens.

X-Switch is also ideal for harsh environments such as mining, wastewater treatment, testing labs and heavy industrial manufacturing.

X-Switch enclosures are specially designed to prevent the penetration of external contaminants while delivering dependable motor control.

A variety of input/output options including a location for a breather drain and pre-designated center punch locations provide for maximum flexibility and customization.



AHDS30SSR



AHDS60SSR



AHDS100SSR

X-Switch motor control disconnect switch (non-fused)

NSF certified motor control solution

Designed specifically around the needs of the food & beverage industry's processing areas, Arrow Hart's X-Switch is the ideal motor control solution for complex environments

Features & benefits

Multiple input and output configurations available

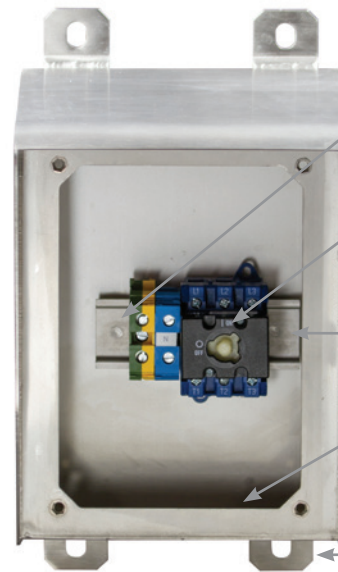


Sloped enclosure enhances washdown and water run off

Compact NEMA Type 4X - 316L stainless steel enclosure is ideal for washdown environments

High-visibility red handle can be padlocked to meet OSHA lockout/tagout requirements

IP69K
certified



Two optional auxiliary contacts available for PLC & VFD applications

Heavy-duty rotary disconnect switches designed for long life

DIN-rail mounting system

Optional breather drain prevents interior condensation build-up

Mounting feet provide full 1/4" clearance from mounting surface per NEC® 300.6(D)



Expanded silicone gasket for superior ingress protection and easy cleaning



NSF Listed for use in food processing areas per NSF 3-A 14159-1 standard

Related products

Whether you need to get power quickly and easily from one point to another, preserve cable connections for safety and reliability or simply replace a switch, we have the devices you need to get the job done.



Wire mesh grips
Industrial cable strain relief



Motor controllers
Industrial motor switching

X-Switch motor control switch configurations & ordering

Extra heavy-duty complex environment switch

Product description

3-pole, 3-phase
30A, 60A or 100A, 600V/AC max.
NEMA Type 4X, 12 & IP66, IP69K

Features

- NSF certified for use in food processing areas per NSF 3-A 14159-1
- Can be padlocked to conform to OSHA lockout/tagout 1910.147 requirements
- Compact size and small footprint designed for installation versatility
- Durable, NEMA Type 4X enclosure is made of non-magnetic, non-corrosive type 316L stainless steel ideal for washdown environments
- IP69K breather drain option available to prevent interior condensation buildup (enclosure with breather drain is NSF listed, IP69K certified)
- IP69K rated for high temperature and high pressure wash down
- Mounting feet provide 1/4" spacing from mounting surface (NEC® 300.6(D))
- 30A, 60A & 100A switch options available
- Heavy-duty switch designed to deliver dependability, long life and excellent electrical continuity
- Field installable auxiliary contact options available for PLCs and external indicators (break after main break, make before main make)
- Durable lever handle and switch mechanism will withstand repeated use in harsh environments



30A X-Switch



60A X-Switch



100A X-Switch

Common X-Switch Configurations

Description	Amp	Catalog No.	UL	NSF
<input type="checkbox"/> Motor Control Disconnect X-Switch, NEMA 4X	30	<input type="checkbox"/> AHDS30SSR	•	•
<input type="checkbox"/> Motor Control Disconnect X-Switch, NEMA 4X	60	<input type="checkbox"/> AHDS60SSR	•	•
<input type="checkbox"/> Motor Control Disconnect X-Switch, NEMA 4X	100	<input type="checkbox"/> AHDS100SSR	•	•
<input type="checkbox"/> Replacement switch	30	<input type="checkbox"/> AHDS30RS	•	
<input type="checkbox"/> Replacement switch	60	<input type="checkbox"/> AHDS60RS	•	
<input type="checkbox"/> Replacement switch	100	<input type="checkbox"/> AHDS100RS	•	
<input type="checkbox"/> Aux contact - PLC	30	<input type="checkbox"/> AHDS30RAC	•	
<input type="checkbox"/> Aux contact - VFD	30	<input type="checkbox"/> AHDS30RVFD	•	
<input type="checkbox"/> Aux contact - PLC	60	<input type="checkbox"/> AHDS60RAC	•	
<input type="checkbox"/> Aux contact - VFD	60	<input type="checkbox"/> AHDS60RVFD	•	
<input type="checkbox"/> Aux contact - PLC	100	<input type="checkbox"/> AHDS100RAC	•	
<input type="checkbox"/> Aux contact - VFD	100	<input type="checkbox"/> AHDS100RVFD	•	
<input type="checkbox"/> X-Switch Conduit Hub, Size 3/4"	For 30A Enclosure	<input type="checkbox"/> AHDS30CH	•	
<input type="checkbox"/> X-Switch Conduit Hub, Size 1-1/4"	For 60A Enclosure	<input type="checkbox"/> AHDS60CH	•	
<input type="checkbox"/> X-Switch Conduit Hub, Size 2"	For 100A Enclosure	<input type="checkbox"/> AHDS100CH	•	
<input type="checkbox"/> Breather Drain IP69K rated	—	<input type="checkbox"/> AHDSBD	•	
<input type="checkbox"/> Replacement top cover assembly	For 30A Enclosure	<input type="checkbox"/> AHDS30RTCASSR		
<input type="checkbox"/> Replacement top cover assembly	For 60/100A Enclosure	<input type="checkbox"/> AHDS61RTCASSR		

Short Circuit Current Ratings

30A X-Switch SCCR:

Suitable for use as a motor disconnect with the following short-circuit current ratings:

- 65kA RMS symmetrical amps, 600 VAC max. when protected with 40A class J fuses

60A X-Switch SCCR:

Suitable for use as a Motor Disconnect with the following short-circuit current ratings:

- 65kA RMS symmetrical amps, 600 VAC max. when protected with 70A class J fuses

100A X-Switch SCCR:

Suitable for use as a Motor Disconnect with the following short-circuit current ratings:

- 65kA RMS symmetrical amps, 600 VAC max. when protected with 100A class J fuses

Max Horsepower Ratings

Voltage	30A	60A	100A
1Ø 120 VAC	1.5	3	5
1Ø 220 - 240 VAC	5	7.5	15
1Ø 277 VAC	5	7.5	15
1Ø 440 - 480 VAC	7.5	15	30
3Ø 220 - 240 VAC	10	15	25
3Ø 440 - 480 VAC	20	30	50
3Ø 600 VAC	25	40	50

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

Non-fused 30 or 60 Ampere motor control disconnect switch "Suitable as Motor Disconnect" per NEC® 430.102(B) and 430.109(A)(6)

Arrow Hart's line of non-metallic NEMA Type 4X disconnect switches are made from VALOX™ resin and are a flexible and economical solution for 3-phase power switching applications. They are NSF certified and ideal for environments where an OSHA lockout/tagout disconnection means is required.

Motor control disconnect switch (non-fused)

Features & benefits

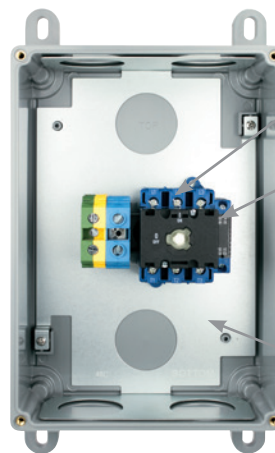
Optional 1/4" gap or flush mount feet for easy washdown

Captivated, combination head stainless steel screws for long life and easy access

Thermoplastic enclosure made from VALOX™ resin provides high impact strength and excellent corrosion resistance

High-visibility red handle can be padlocked to meet OSHA lockout/tagout requirements

Adjustable mounting feet for flexible positioning options



Heavy-duty industrial switches designed for long life

Optional auxiliary contact for PLC and VFD applications available

One piece gasket provides superior watertight protection and easy cleaning

Integrated grounding plate and DIN rail mounting allows automatic grounding and easy installation



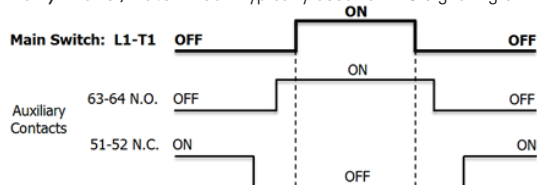
NSF Listed for use in food processing areas per NSF 3-A 14159-1 standard

Motor Control Auxiliary Contact Timing Options

Auxiliary contacts provide a way to send a signal to another device based on the state of the main switch contacts – OFF (open) or ON (closed). Arrow Hart offers auxiliary contacts for our 30A, 60A, and 100A varieties for Early-Make / Late-Break systems typically used with PLCs or Late-Make / Early-Break systems used with Variable Frequency Drives (VFDs).

AC (standard)

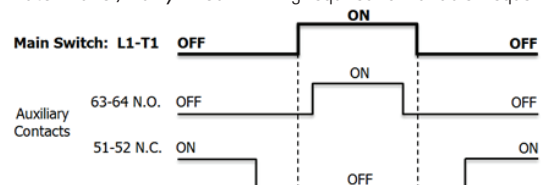
Early-Make / Late-Break Typically used for PLC signaling or indicator lights



Note: "Normal" state above is when the main switch is OFF (open)

VFD

Late-Make / Early-Break: Timing required for variable frequency drives



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Motor control disconnect switch (non-fused)

Non-fused 30 or 60 ampere motor control disconnect switch

Product description

3-pole, 3-phase
30A or 60A, 600V/AC max.
NEMA Type 4X, 12 & IP67

Features

- Durable, NEMA Type 4X thermoplastic enclosure made from VALOX™ resin is ideally suited to withstand corrosive environments
- Compact size and small footprint designed for installation versatility
- Can be padlocked to conform to OSHA lock-out, tag-out 1910.147 requirements
- Robust mounting feet provide either flush mount or 1/4" spacing allowing washdown behind the enclosure (NEC® 300.6(D))
- Mounting feet are adjustable for flexible horizontal or vertical positioning
- DIN rail and integrated grounding plate allow easy installation
- Two Myers hubs are included to compliment NEMA Type 4X installation
- Heavy duty switch designed to deliver dependability, long life, and excellent electrical continuity
- Auxiliary contact option available (early make, late break)
- Auxiliary contact for variable frequency drive (VFD) application is also available (late make, early break)
- Both auxiliary contacts come with one set of Normally Open (NO) and one set of Normally Closed (NC) contacts
- Durable lever handle and switch mechanism will withstand repeated use
- Short circuit current ratings up to 65kA



30A
Disconnect switch



60A
Disconnect switch

Motor control disconnect switches



Rating A	V/AC	Description	Catalog no.
30	600 max.	30A disconnect switch	□ AHDS30
		30A disconnect switch aux contacts	□ AHDS30AC
		30A disconnect switch var freq drive	□ AHDS30VFD
60	600 max.	60A disconnect switch	□ AHDS60
		60A disconnect switch aux contacts	□ AHDS60AC
		60A disconnect switch var freq drive	□ AHDS60VFD

Horsepower ratings

Voltage	30A	60A
1Ø 120V	1.5	3
1Ø 220-240V	5	7.5
1Ø 277V	5	7.5
1Ø 440-480V	7.5	15
3Ø 220-240V	10	15
3Ø 440-480V	20	30
3Ø 600V	25	40

Short Circuit Current Ratings

30A X-Switch SCCR:

Suitable for use as a Motor Disconnect with the following short-circuit current ratings:

- 65kA RMS symmetrical amps, 600 VAC max. when protected with 40A class J fuses

60A X-Switch SCCR:

Suitable for use as a Motor Disconnect with the following short-circuit current ratings:

- 65kA RMS symmetrical amps, 600 VAC max. when protected with 70A class J fuses

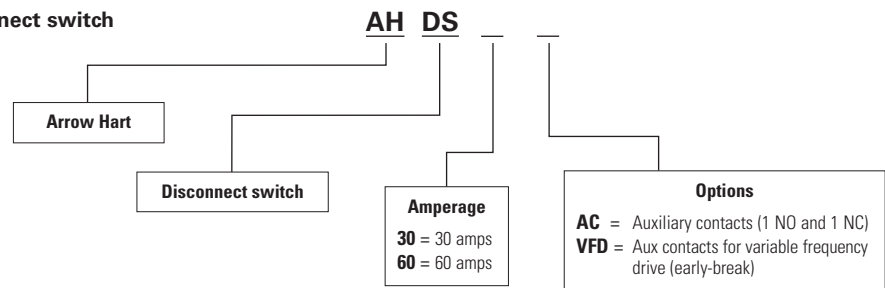
Non-fused motor control disconnect switch ordering matrix

3-pole, 30A or 60A, 600V/AC

Motor control disconnect switch

sample number:

AH30AC



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The most complete offering of watertight and corrosion resistant wiring devices

Arrow Hart has the broadest line of industrial locking and straight blade watertight and corrosion resistant wiring devices. Select from the most extensive offering of plugs, connectors, receptacles, and accessories – all providing superior watertight protection.



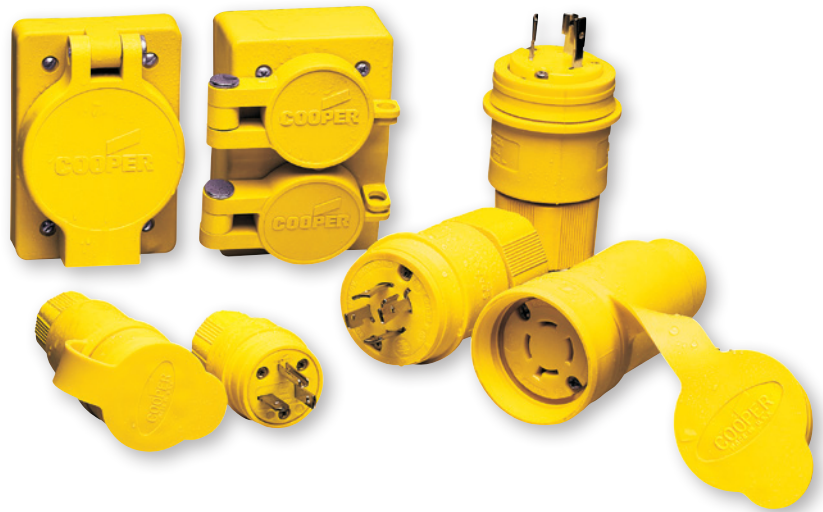
Application

Watertight devices have been designed for industrial applications in which electrical connections are exposed to splashing liquid and hose-down.

Watertight devices are ideal for industrial manufacturing, food & beverage processing, agriculture applications, chemical production, shipyards and marinas plus wastewater treatment facilities.

These products have excellent resistance to physical abuse, hose-directed water, oils, chemicals, corrosive liquids, airborne particulates and contaminants, UV radiation and ozone attack.

Properly mated plugs and connectors, plugs and receptacles, and closed receptacles form a multi-point watertight seal that resists 1,000 psi water spray.



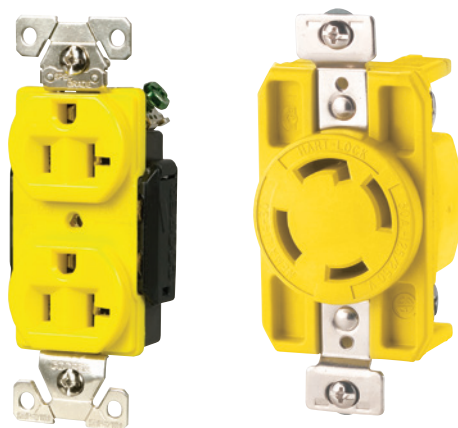
Application

Corrosion resistant receptacles have been designed specifically for environments where moisture and humidity create problems for electrical connections.

Corrosion resistant receptacles are ideal for industrial manufacturing, food processing, agriculture applications, and washdown environments.

These products have excellent resistance to physical abuse and corrosive elements plus airborne particulates and contaminants, providing dependable performance where typical devices fail.

Nickel plated power contacts and terminals deliver enhanced corrosion resistance with excellent electrical performance.



Watertight locking devices

Innovative solutions for watertight locking applications

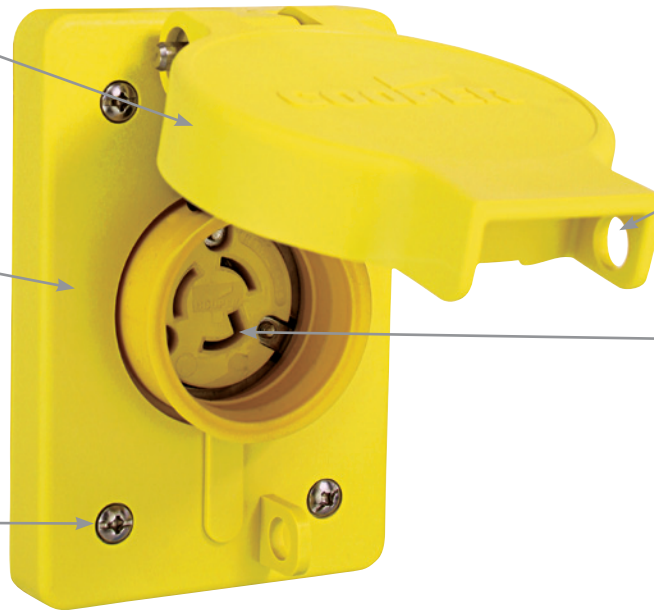
Arrow Hart's watertight locking devices utilize a unique, robust design and superior materials to provide watertight security in harsh environments

Watertight receptacles, plugs & connectors features & benefits

Spring-loaded self-closing flip lid cover ensures a watertight seal to NEMA Type 4X when the receptacle is not in use

Glass-filled nylon cover and exterior shell provide impact resistance in harsh environments

Stainless steel mounting and assembly screws provide corrosion resistance



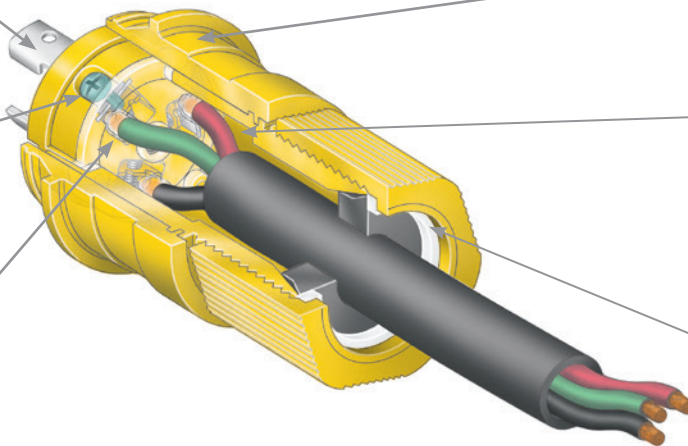
Lockable cover provides means of lockout/tagout

Nickel plated power contacts and terminal assemblies provide corrosion resistance

Nickel plated contacts, blades and terminal screws provide corrosion resistance

Tri-combo stainless steel assembly screws provide corrosion resistance

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



Innovative sealing system provides multipoint watertight seal

Glass reinforced polypropylene interior and Santoprene™ elastomeric exterior molded together for watertight seal and rugged support

Santoprene™ grommet ensures a watertight seal

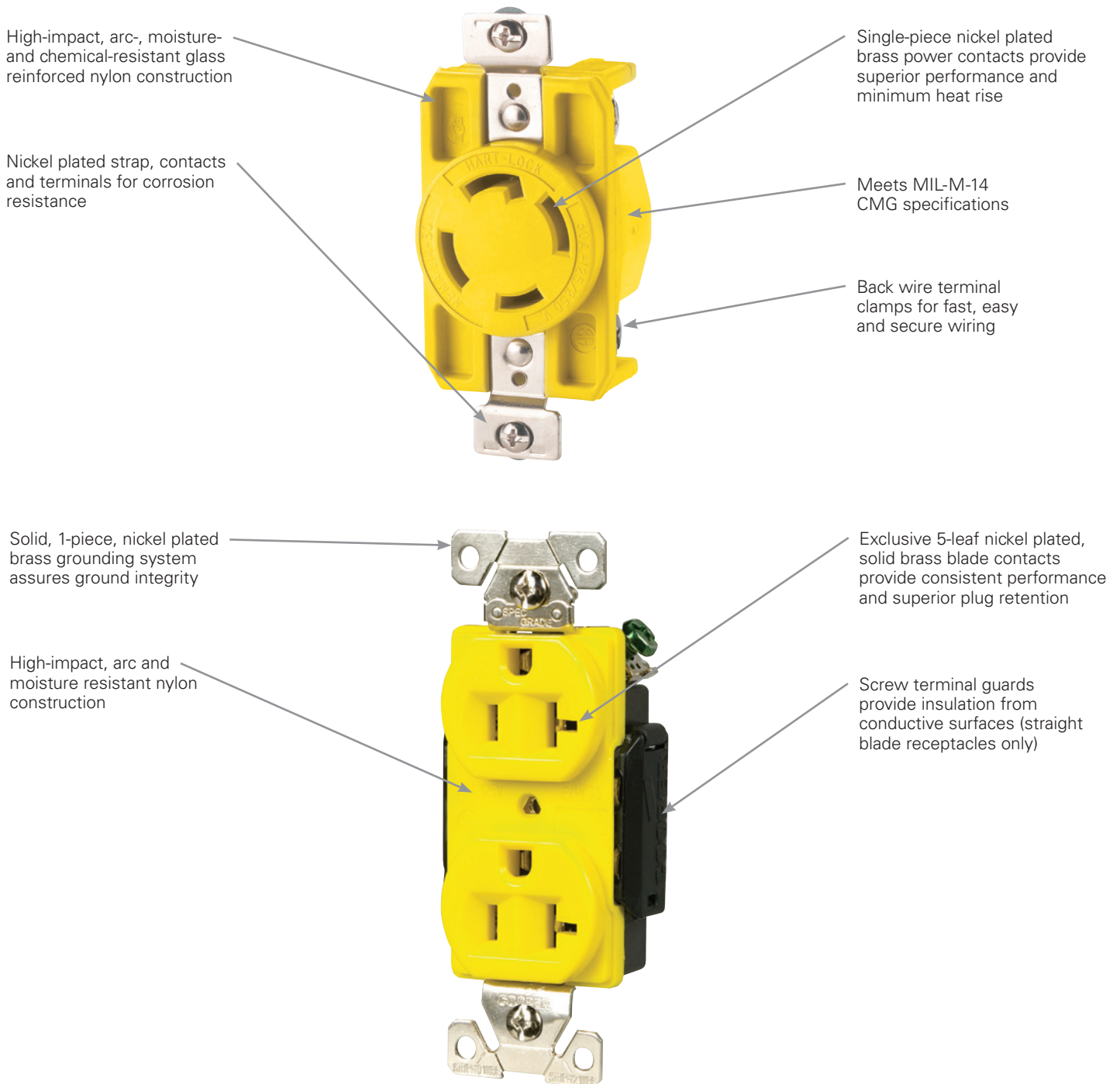
Compliances, specifications and availability are subject to change without notice.

Corrosion resistant receptacles

Designed specifically for longevity in harsh, corrosive environments

Perfect for industrial or commercial applications, corrosion resistant locking devices are engineered to deliver long, dependable performance in moisture, humidity, and corrosive environments

Corrosion resistant receptacles features & benefits



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

Watertight locking devices

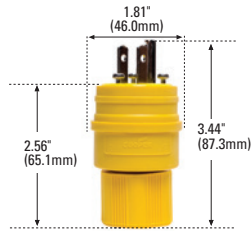
Watertight locking devices

Product description

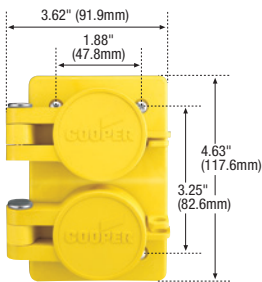
2-pole, 3-wire grounding

15A, 20A, 30A, 125V/AC, 250 V/AC, 125/250 V/AC

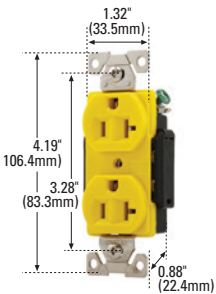
NEMA 5-15, 5-20, L5-15, L5-20, L5-30, L6-20, L6-30, L14-20, L14-30



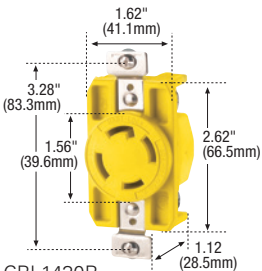
14W47



60W47DPLX



AH5362CRY



CRL1430R

Plugs & receptacles



Rating A	V/AC	NEMA	Description	Plug catalog no.	Connector catalog no.	Receptacle catalog no.
15	125	5-15	Straight blade watertight devices (duplex receptacle)	□ 14W47	□ 15W47	□ 60W47DPLX
20	125	5-20	Straight blade watertight devices (duplex receptacle)	□ 14W33	□ 15W33	□ 60W33DPLX
15	125	L5-15	Locking watertight devices (single receptacle)	□ 24W47	□ 25W47	□ 65W47
20	125	L5-20	Locking watertight devices (single receptacle)	□ L520PW	□ L520CW	□ L520RW
20	250	L6-20	Locking watertight devices (single receptacle)	□ L620PW	□ L620CW	□ L620RW
20	125/250	L14-20	Locking watertight devices (single receptacle)	□ L1420PW	□ L1420CW	□ L1420RW
30	125	L5-30	Locking watertight devices (single receptacle)	□ L530PW	□ L530CW	□ L530RW
30	250	L6-30	Locking watertight devices (single receptacle)	□ L630PW	□ L630CW	□ L630RW
30	125/250	L14-30	Locking watertight devices (single receptacle)	□ L1430PW	□ L1430CW	□ L1430RW

For all-black devices, add color code BK after catalog number.

Corrosion resistant receptacles

Product description

2-pole, 3-wire grounding

15A, 20A, 30A, 125V/AC, 250 V/AC, 125/250 V/AC, 3Ø 250

NEMA 5-15, 5-20, L5-15, L5-20, L5-30, L6-20, L6-30, L14-20, L14-30, L15-20

Receptacles



Rating A	V/AC	NEMA	Description	Catalog no.
15	125	5-15	Straight blade corrosion resistant devices (duplex receptacle)	□ AH5262CRY
20	125	5-20	Straight blade corrosion resistant devices (duplex receptacle)	□ AH5362CRY
15	125	L5-15	Locking corrosion resistant devices (duplex receptacle)	□ CR4700
20	125	L5-20	Locking corrosion resistant devices (single receptacle)	□ CRL520R
20	250	L6-20	Locking corrosion resistant devices (single receptacle)	□ CRL620R
20	125/250	L14-20	Locking corrosion resistant devices (single receptacle)	□ CRL1420R
20	3Ø 250	L15-20	Locking corrosion resistant devices (single receptacle)	□ CRL1520R
30	125	L5-30	Locking corrosion resistant devices (single receptacle)	□ CRL530R
30	250	L6-30	Locking corrosion resistant devices (single receptacle)	□ CRL630R
30	125/250	L14-30	Locking corrosion resistant devices (single receptacle)	□ CRL1430R

For our full product offering, please visit Eaton.com/wiringdevices

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

Tough for harsh indoor and outdoor environments

Arrow Hart's pin & sleeve devices are unlike other brands — our devices were the industry's first to offer IP69K rated protection. Each device has been carefully engineered to offer reliability, efficiency, and added safety protection in demanding wet locations and where harsh washdowns are a must.



Application

IEC 309 pin & sleeve devices have been designed for heavily abusive indoor or outdoor industrial applications exposing electrical devices to physical abuse, weather, corrosive elements, chemicals, foreign particulates and vibration.

Pin & sleeve is ideal for industrial manufacturing, agriculture equipment, modular food service equipment and wastewater treatment areas.

Pin configurations follow the IEC "clock face" and are keyed to prevent improper mating.

IP69K
certified



Application

Mechanical interlocks increase safety further by preventing "live" plug insertion or removal as well as arc flash.

Mechanical interlocks are available in non-fusible, fusible, fused or circuit breaker styles for maximum flexibility.

Plugs, connectors, receptacles, inlets and mechanical interlocks are available in a variety of voltages and amperages from 20A to 100A, and will intermate with existing IEC standard installations.



IP69K pin & sleeve plugs

The industry's first pin & sleeve devices that are designed to address high pressure, high temperature washdown applications

Sturdy nylon construction, rugged design with corrosion resistant components for lasting electrical performance. Watertight sealing that provides IP69K protection so you can feel confident in even the most severe washdown environments.

Pin & sleeve plugs features & benefits

Mechanical cord clamp with silicone grommet seal and locking screw ensures a positive and watertight strain relief system

Tri-combo cord grip screws for convenience

Durable, impact-resistant thermoplastic body

Color-coded front housing for easy and accurate identification of voltages

Oversized grounding pin assures mating only with oversized female grounding sleeve; staggered contact to ensure ground makes first and breaks last

Engineered thermoplastic material improves cold impact performance for 60A & 100A devices

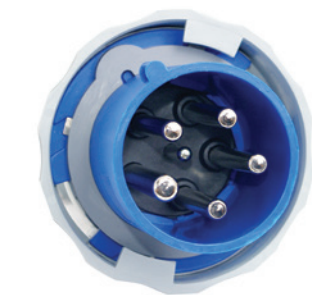
IP69K
certified

Nickel plated pins offer long life corrosion protection

Threaded NPT cable entry provides efficient means of attaching flexible conduit or wire mesh grips

Pins fully shrouded for mechanical protection; lockout hole for plugs

Tapered wiring pockets to ease insertion of stranded wire; deep pockets with clear markings keep bare conductors isolated



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

Pin & sleeve devices

IEC 309 watertight pin & sleeve devices

Product description

North American 20A, 30A, 60A & 100A for receptacles, plugs, connectors & inlets



Receptacle



Plug



Connector



Inlet



15° Angled Receptacle

Rating A	Poles/ wires	V/AC, color coding & configurations		Receptacle catalog no.	Plug catalog no.	Connector catalog no.	Inlet catalog no.	15° Angled Receptacle catalog no.
20	2-P, 3-W	125		AH320R4W	AH320P4W	AH320C4W	AH320B4W	—
		250		AH320R6WDR	AH320P6WDR	AH320C6WDR	AH320B6WDR	—
		480		AH320R7W	AH320P7W	AH320C7W	AH320B7W	—
	3-P, 4-W	125/250		AH420R12W	AH420P12W	AH420C12W	AH420B12W	—
		3Ø 250		AH420R9WDR	AH420P9WDR	AH420C9WDR	AH420B9WDR	—
		3Ø 480		AH420R7W	AH420P7W	AH420C7W	AH420B7W	—
		3Ø 600		AH420R5W	AH420P5W	AH420C5W	AH420B5W	—
	4-P, 5-W	3ØY 120/208		AH520R9WDR	AH520P9WDR	AH520C9WDR	AH520B9WDR	—
		3ØY 277/480		AH520R7W	AH520P7W	AH520C7W	AH520B7W	—
		3ØY 347/600		AH520R5W	AH520P5W	AH520C5W	AH520B5W	—
30	2-P, 3-W	125		AH330R4W	AH330P4W	AH330C4W	AH330B4W	—
		250		AH330R6WDR	AH330P6WDR	AH330C6WDR	AH330B6WDR	—
		480		AH330R7W	AH330P7W	AH330C7W	AH330B7W	—
	3-P, 4-W	125/250		AH430R12W	AH430P12W	AH430C12W	AH430B12W	—
		3Ø 250		AH430R9WDR	AH430P9WDR	AH430C9WDR	AH430B9WDR	—
		3Ø 480		AH430R7W	AH430P7W	AH430C7W	AH430B7W	—
		3Ø 600		AH430R5W	AH430P5W	AH430C5W	AH430B5W	—
	4-P, 5-W	3ØY 120/208		AH530R9WDR	AH530P9WDR	AH530C9WDR	AH530B9WDR	—
		3ØY 277/480		AH530R7W	AH530P7W	AH530C7W	AH530B7W	—
		3ØY 347/600		AH530R5W	AH530P5W	AH530C5W	AH530B5W	—
60	2-P, 3-W	125		AH360R4W	AH360P4W	AH360C4W	AH360B4W	—
		250		AH360R6WDR	AH360P6WDR	AH360C6WDR	AH360B6WDR	—
		480		AH360R7W	AH360P7W	AH360C7W	AH360B7W	—
	3-P, 4-W	125/250		AH460R12W	AH460P12W	AH460C12W	AH460B12W	—
		3Ø 250		AH460R9WDR	AH460P9WDR	AH460C9WDR	AH460B9WDR	—
		3Ø 480		AH460R7W	AH460P7W	AH460C7W	AH460B7W	—
		3Ø 600		AH460R5W	AH460P5W	AH460C5W	AH460B5W	—
	4-P, 5-W	3ØY 120/208		AH560R9WDR	AH560P9WDR	AH560C9WDR	AH560B9WDR	AH560R9W-15
		3ØY 277/480		AH560R7W	AH560P7W	AH560C7W	AH560B7W	—
		3ØY 347/600		AH560R5W	AH560P5W	AH560C5W	AH560B5W	—
100	2-P, 3-W	125		AH3100R4W	AH3100P4W	AH3100C4W	AH3100B4W	—
		250		AH3100R6WDR	AH3100P6WDR	AH3100C6WDR	AH3100B6WDR	—
		480		AH3100R7W	AH3100P7W	AH3100C7W	AH3100B7W	—
	3-P, 4-W	125/250		AH4100R12W	AH4100P12W	AH4100C12W	AH4100B12W	AH4100R12W-15
		3Ø 250		AH4100R9WDR	AH4100P9WDR	AH4100C9WDR	AH4100B9WDR	—
		3Ø 480		AH4100R7W	AH4100P7W	AH4100C7W	AH4100B7W	AH4100R7W-15
		3Ø 600		AH4100R5W	AH4100P5W	AH4100C5W	AH4100B5W	—
	4-P, 5-W	3ØY 120/208		AH5100R9WDR	AH5100P9WDR	AH5100C9WDR	AH5100B9WDR	AH5100R9W-15
		3ØY 277/480		AH5100R7W	AH5100P7W	AH5100C7W	AH5100B7W	AH5100R7W-15
		3ØY 347/600		AH5100R5W	AH5100P5W	AH5100C5W	AH5100B5W	—

All 60A and 100A devices include pilot pins or contacts.

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

Complete offering of wire mesh grips built tough for industrial applications

Arrow Hart supplies a broad selection of strain relief, pulling and support grips in a wide range of styles and sizes to serve all of your cable protection needs.



Application

Wire mesh grips have been designed specifically for heavily abusive indoor or outdoor industrial applications where cabling, hosing or tubing is subjected to physical abuse from repeated pulling, mechanical movement and/or vibration.

Wire mesh grips are ideal for agriculture equipment, manufacturing, processing and packaging, modular food service equipment and all cord drop areas.

Use wire mesh grips to prevent cable, hose, cord or conduit pullout as well as to provide support for various drops and runs.

Deluxe and liquidtight strain relief grips feature stainless steel wire mesh, making them ideal for food & beverage and/or washdown applications.



Strain relief grips

Strain relief grips are used to connect cable enclosures and industrial equipment. These grips prevent cable or conduit pull-out at the point of termination due to tension. Strain relief grips also distribute strain throughout the length of the mesh during bending, prolonging the life of the cable.

Support grips

Support grips distribute the weight of vertical drops and sloping runs over the length of the grip to protect the cable from damage. A variety of hanging styles are available to service numerous cable support installations.

Pulling grips

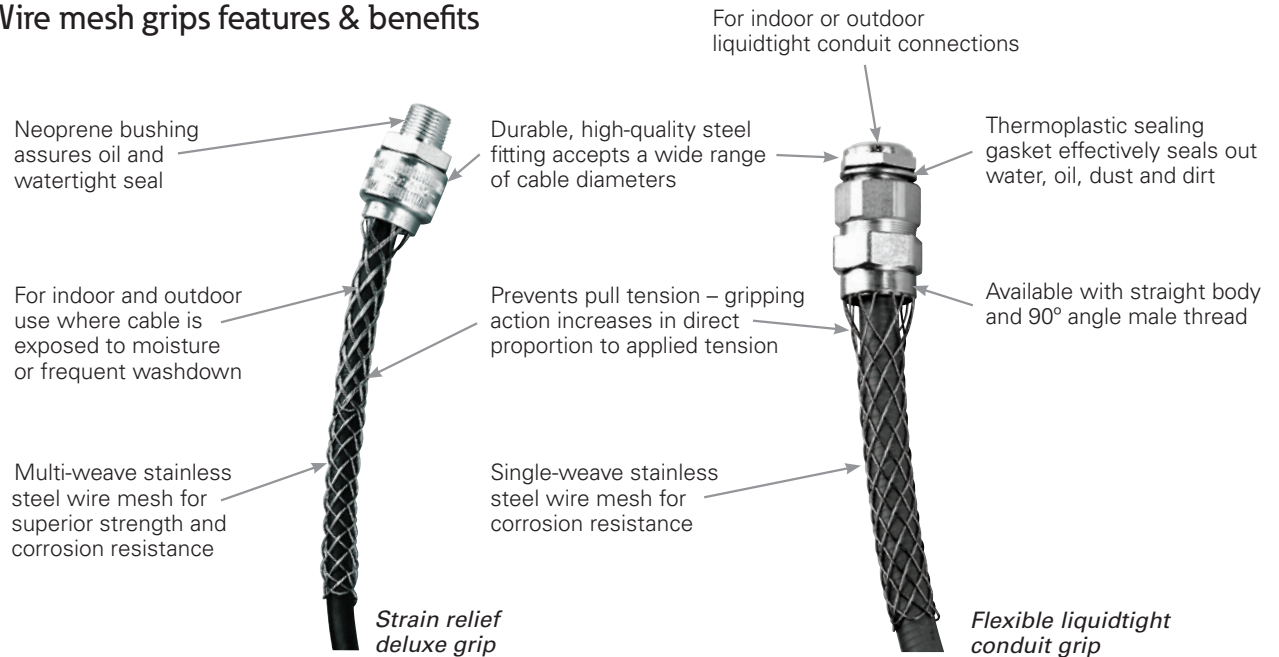
Pulling grips serve as reusable tools for pulling cables, wires and/or rope in overhead and underground cable pulls. These grips protect the cable from abrasion and ease the cable through bends and rough surfaces.

Wire mesh grips

Reduce downtime and maintenance while ensuring safety in your facility

Strain relief grips prevent cable, cord and conduit pullout due to stress, strain, vibration or movement. Support grips provide both holding and support of drops and runs – using both styles will preserve electrical connections

Wire mesh grips features & benefits



DC200625



TC254



SGS63

Wire mesh grips

Product description

3/8", 1/2" & 3/4" NPT

Wire mesh grips

Family	Description	Catalog no.
Strain relief	Deluxe cord grip, straight body male thread, 3/4" NPT thread size, .625-.750" grip dia. range	<input type="checkbox"/> DC200625
Strain relief	I-Grip for plugs & connector cord assemblies, 1 1/4" eye length, .52-.73" cable range	<input type="checkbox"/> I52
Strain relief	Dusttight non-insulated, 1/2" NPT thread size, .43-.54" cable range, 4 3/4" mesh length	<input type="checkbox"/> TC143
Strain relief	Dusttight non-insulated, 3/4" NPT thread size, .54-.73" cable range, 6 1/2" mesh length	<input type="checkbox"/> TC254
Strain relief	Dusttight insulated, 1/2" NPT thread size, .43-.54" cable range, 4 3/4" mesh length	<input type="checkbox"/> TC143
Strain relief	Dusttight insulated, 3/4" NPT thread size, .54-.73" cable range, 6 1/2" mesh length	<input type="checkbox"/> TC254
Support	Bus drop, single eye, 4" eye length, .30-.43" cable range, 4" mesh length	<input type="checkbox"/> BDS30
Support	Bus drop, single eye, 7" eye length, .53-.73" cable range, 6" mesh length	<input type="checkbox"/> BDS53
Support	Support grip, single eye closed mesh, 8" eye length, .63-.74" cable range, 10" mesh length	<input type="checkbox"/> SGS63
Support	Support grip, single eye closed mesh, 7" eye length, .50-.62" cable range, 10" mesh length	<input type="checkbox"/> SGSL50

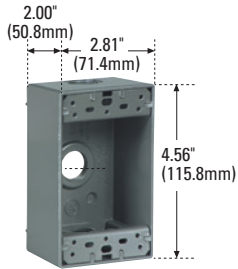
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Accessories

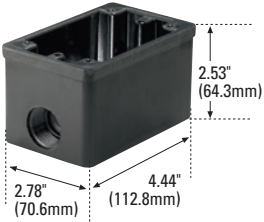
Eaton's Arrow Hart has a broad offering of weatherproof accessories to help ensure your facility operates smoothly in virtually any outdoor or indoor wet location



S2962GY




1113



6080

Non-metallic weather protective covers

1-Gang self-closing lids

Description	Mounting	Color suffix	Catalog no.	
Duplex receptacle/combination device 2 self-closing lids	Horizontal	GY, W	<input type="checkbox"/> S1952__*	•
Duplex receptacle	Vertical	GY, W	<input type="checkbox"/> S2962__**	•
	Horizontal	GY, W	<input type="checkbox"/> S3962__**	•
GFCI/decorator	Vertical	GY, W	<input type="checkbox"/> S2966__**	•
	Horizontal	BK, GY, W	<input type="checkbox"/> S3966__**	•

* UL Listed and CSA cert

** cULus Listed

1-Gang boxes

1-Gang FS boxes

Description	End openings	Back openings	Catalog no.	
3 hole 0.50" (12.70mm) dia.	1-1	1	<input type="checkbox"/> 1113	•

Non-metallic weatherproof 1-Gang FS boxes

Description	Color	Catalog no.
FS Box with (2) 0.75" (19.05mm) IPS molded-in knockouts	BK	<input type="checkbox"/> 6080

Weather protective boots

Plug and connector weather protective boots

Product may be used with:	Plug catalog no.	Connector catalog no.
15A and 20A, 2-pole, 3-wire straight blade auto grip, safety grip devices	<input type="checkbox"/> BS1	<input type="checkbox"/> BS2
15A industrial locking devices	<input type="checkbox"/> BS1	<input type="checkbox"/> BS2
20A 2-wire industrial locking devices	<input type="checkbox"/> BS1	<input type="checkbox"/> BS2
20A and 30A 2-pole, 3-wire and 3-pole, 3-wire locking safety grip devices	<input type="checkbox"/> BM1	<input type="checkbox"/> BM2
20A and 30A 4-wire and 5-wire industrial locking devices	<input type="checkbox"/> BL1	<input type="checkbox"/> BL2
Midget locking ML2 plugs and connectors when used with receptacle or inlet	<input type="checkbox"/> 74CM40	<input type="checkbox"/> 74CM40

50A pro grip plug and connector weather protective boots

Description	Catalog no.
Short boot, for 50A pro grip connector when used with 50A pro grip plug and 7717EX boot	<input type="checkbox"/> 7716EX
Long boot, for 50A pro grip plug when used with receptacle or 50A pro grip connector and 7716EX boot	<input type="checkbox"/> 7717EX



BS1



BM1



BM2



7716EX

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

Built to withstand, deliver and perform where you need them

Whether you need to protect pendant station drops, build stringer sets of portable outlets, or provide GFCI protection from ground fault hazards indoors and outdoors, we have the variety of portable power and protection items you need.



Application

Portable GFCIs are designed specifically to provide protection against electrical shock in industrial indoor and outdoor applications. They are ideal for industrial manufacturing, agriculture equipment, pipeline heaters, industrial washers, submersible pumps and wet locations.

Portable GFCIs are available in 15, 20 or 30 amps in a range of varieties including field wireable, single or tri-tap, straight blade, locking or watertight plugs & connectors.

Portable outlet boxes protect electrical devices and connections in demanding industrial environments and allow you to put outlets where needed. They are perfect for building maintenance and manufacturing.

Portable outlet boxes are available in standard or extra depth in pendant or feed-through configurations in a non-metallic non-conductive material with extra durability and long service life.



Portable power protection

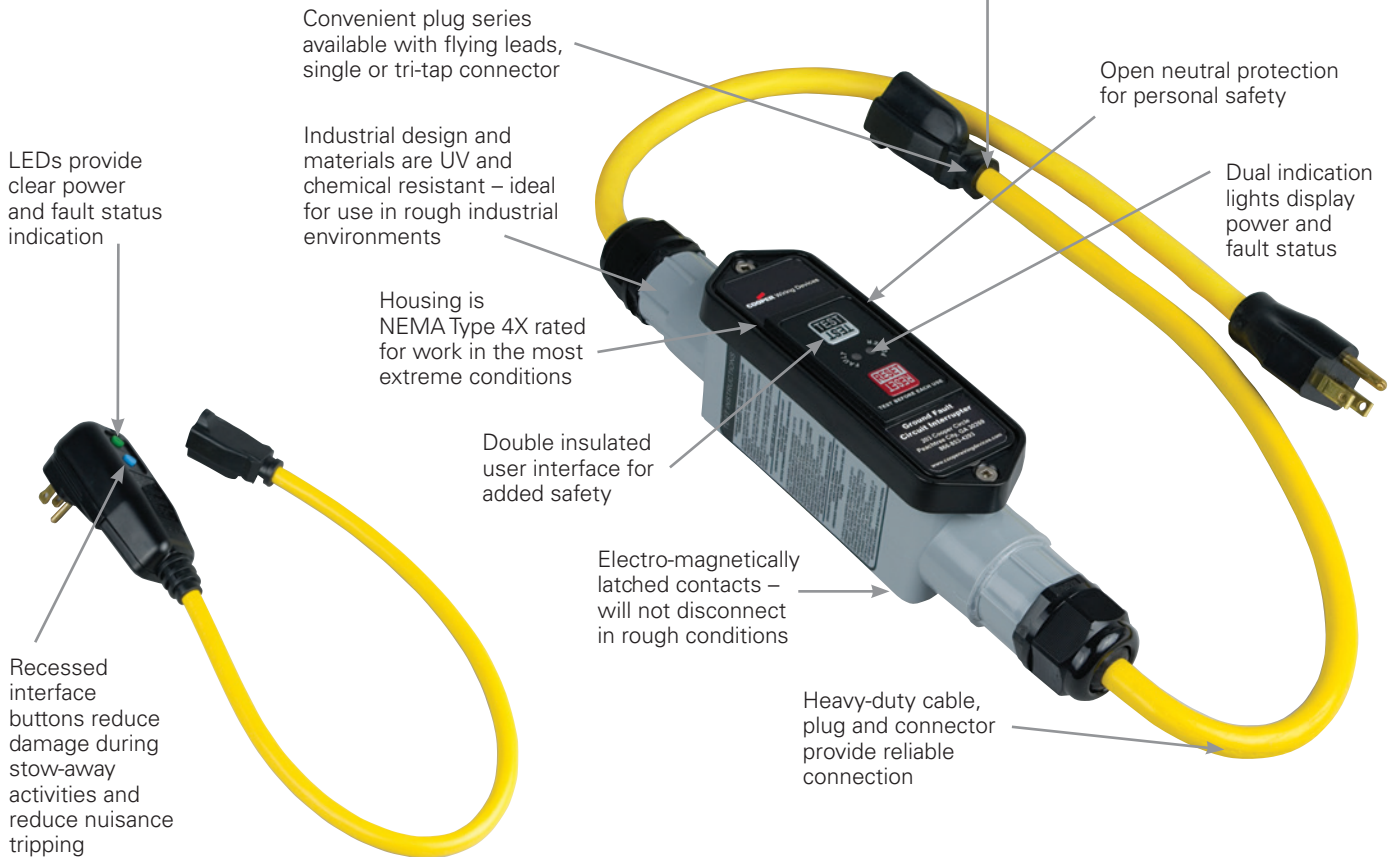
Portable protection from electrical injury

Arrow Hart's portable GFCIs give you the assurance that comes from knowing you are protected from ground fault hazards while on the job site

Portable GFCI features & benefits

Portable GFCIs offer exceptional protection against electrical shock when connected to power generators, agricultural equipment, portable electric heaters, submersible pumps, industrial washers, outdoor signs and vending equipment.

Available in a variety of cord lengths, with terminated devices or flying leads for field terminations



Related products

A full line of locking plugs and connectors, watertight devices, plus straight blade plugs & connectors provide many configuration options.



Watertight plugs & connectors



Straight blade plugs & connectors

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

Portable outlet boxes

Built to withstand, deliver and perform

Arrow Hart's portable outlet boxes offer a safe, durable and efficient temporary power solution

Portable outlet box features & benefits

Rough and tough industrial grade portable outlet boxes are the bridge you need on location to provide safe power to industrial plants, building maintenance, food & beverage facilities, construction sites, shipyards, entertainment venues, filmmaking sets and expositions.



Related products

A wide range of wiring devices are available in many amperages that complement the portable outlet box line – straight blade receptacles, locking receptacles, plugs and more. These devices are offered in watertight, weather protective, isolated ground and corrosion resistant styles.



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We make what matters work.*

* At Eaton, we believe that power is a fundamental part of just about everything people do. Technology, transportation, energy and infrastructure—these are things the world relies on every day. That's why Eaton is dedicated to helping our customers find new ways to manage electrical, hydraulic and mechanical power more efficiently, safely and sustainably. To improve people's lives, the communities where we live and work, and the planet our future generations depend upon. Because that's what really matters. And we're here to make sure it works.

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