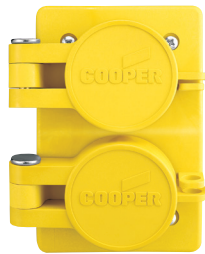


Arrow Hart watertight locking plugs, connectors & receptacles

Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:



60W33



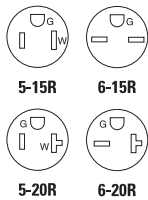
60W48DPLX



14W47

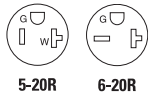


15W47



5-15R

6-15R



5-20R

6-20R

Design features for watertight locking devices

- Thermoplastic elastomeric exterior out-performs rubber when exposed to moisture, chemicals, oils, and the effects of UV exposure and ozone attack
- Mated plug and connector or plug and receptacle form a watertight seal that meets NEMA and IEC IP ratings (see specification sheet for details) and withstands water spray test at 1000 psi
- High visibility safety yellow for identification. Also available in black
- Power contacts, blades and terminal screws nickel-plated for corrosion resistance
- Quick-drive stainless steel assembly screws for corrosion resistance and fast installation
- Multiple color coded neoprene grommets for a watertight seal on a wide range of cord sizes
- Receptacles have self-closing spring loaded flip lid covers
- Santoprene™ grommets ensure watertight seal at cord entrance
- Wide range cord diameter 0.30" – 0.65"

2-pole, 3-wire grounding

15A, 125/250V/AC; 20A, 125/250V/AC
NEMA 5-15, 6-15, 5-20, 6-20

**Table 1. Straight blade plugs, connectors & receptacles
2-pole, 3-wire**

Plug	Catalog no.		Receptacle		Cord diameter	Rating		
	Connector	Single	Duplex	A		V/AC	NEMA	
<input type="checkbox"/> 14W47	<input type="checkbox"/> 15W47	<input type="checkbox"/> 60W47	<input type="checkbox"/> 60W47DPLX	0.30-0.65" (7.6-16.5mm)	15	125	5-15	
<input type="checkbox"/> 14W49	<input type="checkbox"/> 15W49	<input type="checkbox"/> 60W49	<input type="checkbox"/> 60W49DPLX	0.30-0.65" (7.6-16.5mm)	15	250	6-15	
<input type="checkbox"/> 14W33	<input type="checkbox"/> 15W33	<input type="checkbox"/> 60W33	<input type="checkbox"/> 60W33DPLX	0.30-0.65" (7.6-16.5mm)	20	125	5-20	
<input type="checkbox"/> 14W48	<input type="checkbox"/> 15W48	<input type="checkbox"/> 60W48	<input type="checkbox"/> 60W48DPLX	0.30-0.65" (7.6-16.5mm)	20	250	6-20	

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

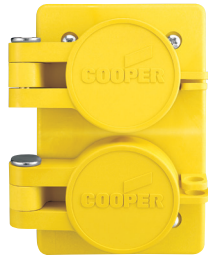


Powering Business Worldwide

Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:



L530RW



65W47DPLX



24W47



25W47



L1020PW

2-pole, 3-wire grounding

15A, 125/250/277V/AC; 20A, 125/250/277/480V/AC; 30A, 125/250/277/480V/AC
NEMA L5-15, L6-15, L7-15, L5-20, L6-20, L7-20, L8-20, L5-30, L6-30, L7-30, L8-30

Table 2. Locking devices – 2-pole, 3-wire

Plug	Catalog no.		Receptacle		Cord diameter	Rating		
	Connector	Single	Duplex	A		V/AC	NEMA	
<input type="checkbox"/> 24W47	<input type="checkbox"/> 25W47	<input type="checkbox"/> 65W47	<input type="checkbox"/> 65W47DPLX		0.30-0.65" (7.6-16.5mm)	15	125	L5-15
<input type="checkbox"/> 24W49	<input type="checkbox"/> 25W49	<input type="checkbox"/> 65W49	<input type="checkbox"/> 65W49DPLX		0.30-0.65" (7.6-16.5mm)	15	250	L6-15
<input type="checkbox"/> 24W34	<input type="checkbox"/> 25W34	<input type="checkbox"/> 65W34	<input type="checkbox"/> 65W34DPLX		0.30-0.65" (7.6-16.5mm)	15	277	L7-15
<input type="checkbox"/> L520PW	<input type="checkbox"/> L520CW	<input type="checkbox"/> L520RW			0.36-0.84" (9.1-21.3mm)	20	125	L5-20
<input type="checkbox"/> L620PW	<input type="checkbox"/> L620CW	<input type="checkbox"/> L620RW			0.36-0.84" (9.1-21.3mm)	20	250	L6-20
<input type="checkbox"/> L720PW	<input type="checkbox"/> L720CW	<input type="checkbox"/> L720RW*			0.36-0.84" (9.1-21.3mm)	20	277	L7-20
<input type="checkbox"/> L820PW	<input type="checkbox"/> L820CW	<input type="checkbox"/> L820RW*			0.36-0.84" (9.1-21.3mm)	20	480	L8-20
<input type="checkbox"/> L530PW	<input type="checkbox"/> L530CW	<input type="checkbox"/> L530RW			0.43-1.15" (10.9-29.2mm)	30	125	L5-30
<input type="checkbox"/> L630PW	<input type="checkbox"/> L630CW	<input type="checkbox"/> L630RW			0.43-1.15" (10.9-29.2mm)	30	250	L6-30
<input type="checkbox"/> L730PW	<input type="checkbox"/> L730CW	<input type="checkbox"/> L730RW			0.43-1.15" (10.9-29.2mm)	30	277	L7-30
<input type="checkbox"/> L830PW	<input type="checkbox"/> L830CW	<input type="checkbox"/> L830RW			0.43-1.15" (10.9-29.2mm)	30	480	L8-30

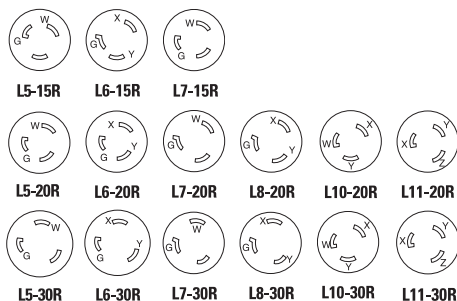
*Not NOM certified

3-pole, 3-wire non-grounding 3-pole, 4-wire grounding

20A; 125/250, 3Ø 250, 3Ø 480V/AC
30A; 125/250, 3Ø 250, 3Ø 480, 3Ø 600V/AC
Non-NEMA L10-20, L11-20, L10-30, L11-30

Table 3. Locking devices – 3-pole, 3-wire

Plug	Catalog no.		Cord diameter	Rating		
	Connector	Single receptacle		A	V/AC	NEMA
<input type="checkbox"/> 9965PW	<input type="checkbox"/> 7314CW	<input type="checkbox"/> 7314RW	0.36-0.84" (9.1-21.3mm)	20	125/250	Non-NEMA
<input type="checkbox"/> L1020PW	<input type="checkbox"/> L1020CW	<input type="checkbox"/> L1020RW	0.36-0.84" (9.1-21.3mm)	20	125/250	L10-20
<input type="checkbox"/> L1120PW	<input type="checkbox"/> L1120CW	<input type="checkbox"/> L1120RW	0.36-0.84" (9.1-21.3mm)	20	3Ø 250	L11-20
<input type="checkbox"/> L1030PW	<input type="checkbox"/> L1030CW	<input type="checkbox"/> L1030RW	0.43-1.15" (10.9-29.2mm)	30	125/250	L10-30
<input type="checkbox"/> 3331PW	<input type="checkbox"/> 3333CW	<input type="checkbox"/> 3333RW	0.43-1.15" (10.9-29.2mm)	30	125/250	Non-NEMA
<input type="checkbox"/> L1130PW	<input type="checkbox"/> L1130CW	<input type="checkbox"/> L1130RW	0.43-1.15" (10.9-29.2mm)	30	3Ø 250	L11-30



Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:



L1420CW



L1620RW



L1820PW



L1820CW



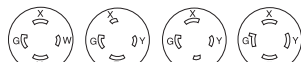
L2030RW



L14-20R L15-20R L16-20R



L18-20R L19-20R L20-20R



L14-30R L15-30R L16-30R L17-30R



L18-30R L19-30R L20-30R



Receptacle Plug Receptacle Plug
Non-NEMA Non-NEMA
20A 125/250V 30A 125/250V

3-pole, 3-wire non-grounding
3-pole, 4-wire grounding

20A; 125/250, 3Ø 250, 3Ø 480V/AC
30A; 125/250, 3Ø 250, 3Ø 480, 3Ø 600V/AC
NEMA L14-20, L15-20, L16-20, L14-30, L15-30, L16-30, L17-30

Table 4. Locking devices – 3-pole, 4-wire

Plug	Catalog no.			Cord diameter	Rating		NEMA
	Connector	Single receptacle			A	V/AC	
<input type="checkbox"/> L1420PW	<input type="checkbox"/> L1420CW	<input type="checkbox"/> L1420RW		0.36-0.84" (9.1-21.3mm)	20	125/250	L14-20
<input type="checkbox"/> L1520PW	<input type="checkbox"/> L1520CW	<input type="checkbox"/> L1520RW		0.36-0.84" (9.1-21.3mm)	20	3Ø 250	L15-20
<input type="checkbox"/> L1620PW	<input type="checkbox"/> L1620CW	<input type="checkbox"/> L1620RW		0.36-0.84" (9.1-21.3mm)	20	3Ø 480	L16-20
<input type="checkbox"/> L1430PW	<input type="checkbox"/> L1430CW	<input type="checkbox"/> L1430RW		0.43-1.15" (10.9-29.2mm)	30	125/250	L14-30
<input type="checkbox"/> L1530PW	<input type="checkbox"/> L1530CW	<input type="checkbox"/> L1530RW		0.43-1.15" (10.9-29.2mm)	30	3Ø 250	L15-30
<input type="checkbox"/> L1630PW	<input type="checkbox"/> L1630CW	<input type="checkbox"/> L1630RW		0.43-1.15" (10.9-29.2mm)	30	3Ø 480	L16-30
<input type="checkbox"/> L1730PW	<input type="checkbox"/> L1730CW	<input type="checkbox"/> L1730RW		0.43-1.15" (10.9-29.2mm)	30	3Ø 600	L17-30

4-pole, 4-wire non-grounding

20A; 3ØY 120/208, 3ØY 277/480, 3ØY 347/600V/AC
30A; 3ØY 120/208, 3ØY 277/480, 3ØY 347/600V/AC
Non-NEMA L18-20, L19-20, L20-20, L18-30, L19-30, L20-30

Table 5. Locking devices – 4-pole, 4-wire

Plug	Catalog no.			Cord diameter	Rating		NEMA
	Connector	Single receptacle			A	V/AC	
<input type="checkbox"/> 7411PW	<input type="checkbox"/> 7413CW	<input type="checkbox"/> 7413RW		0.36-0.84" (9.1-21.3mm)	20	3ØY 120/208	Non-NEMA
<input type="checkbox"/> L1820PW	<input type="checkbox"/> L1820CW	<input type="checkbox"/> L1820RW		0.36-0.84" (9.1-21.3mm)	20	3ØY 120/208	L18-20
<input type="checkbox"/> L1920PW	<input type="checkbox"/> L1920CW	<input type="checkbox"/> L1920RW		0.36-0.84" (9.1-21.3mm)	20	3ØY 277/480	L19-20
<input type="checkbox"/> L2020PW	<input type="checkbox"/> L2020CW	<input type="checkbox"/> L2020RW		0.36-0.84" (9.1-21.3mm)	20	3ØY 347/600	L20-20
<input type="checkbox"/> 3433PW	<input type="checkbox"/> 3433CW	<input type="checkbox"/> 3433RW		0.43-1.15" (10.9-29.2mm)	30	3ØY 120/208	Non-NEMA
<input type="checkbox"/> L1830PW	<input type="checkbox"/> L1830CW	<input type="checkbox"/> L1830RW		0.43-1.15" (10.9-29.2mm)	30	3ØY 120/208	L18-30
<input type="checkbox"/> L1930PW	<input type="checkbox"/> L1930CW	<input type="checkbox"/> L1930RW		0.43-1.15" (10.9-29.2mm)	30	3ØY 277/480	L19-30
<input type="checkbox"/> L2030PW	<input type="checkbox"/> L2030CW	<input type="checkbox"/> L2030RW		0.43-1.15" (10.9-29.2mm)	30	3ØY 347/600	L20-30

Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:



L1820CW



L1830PW



L2120PW



L2120CW



L2330RW

4-pole, 4-wire non-grounding

20A; 3ØY 120/208, 3ØY 277/480, 3ØY 347/600V/AC
30A; 3ØY 120/208, 3ØY 277/480, 3ØY 347/600V/AC
Non-NEMA L18-20, L19-20, L20-20, L18-30, L19-30, L20-30

Table 6. Locking devices – 4-pole, 4-wire

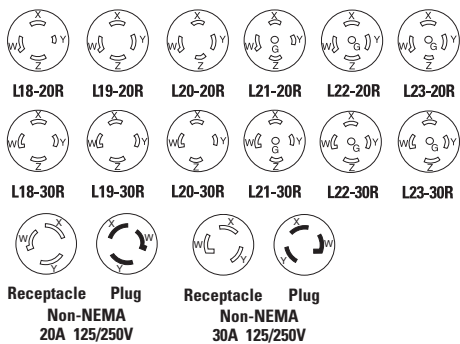
Catalog no.			Cord diameter	Rating		NEMA
Plug	Connector	Single receptacle		A	V/AC	
<input type="checkbox"/> 7411PW	<input type="checkbox"/> 7413CW	<input type="checkbox"/> 7413RW	0.36-0.84" (9.1-21.3mm)	20	3ØY 120/208	Non-NEMA
<input type="checkbox"/> L1820PW	<input type="checkbox"/> L1820CW	<input type="checkbox"/> L1820RW				
<input type="checkbox"/> L1920PW	<input type="checkbox"/> L1920CW	<input type="checkbox"/> L1920RW	0.36-0.84" (9.1-21.3mm)	20	3ØY 277/480	L19-20
<input type="checkbox"/> L2020PW	<input type="checkbox"/> L2020CW	<input type="checkbox"/> L2020RW				
<input type="checkbox"/> 3433PW	<input type="checkbox"/> 3433CW	<input type="checkbox"/> 3433RW	0.43-1.15" (10.9-29.2mm)	30	3ØY 120/208	Non-NEMA
<input type="checkbox"/> L1830PW	<input type="checkbox"/> L1830CW	<input type="checkbox"/> L1830RW				
<input type="checkbox"/> L1930PW	<input type="checkbox"/> L1930CW	<input type="checkbox"/> L1930RW	0.43-1.15" (10.9-29.2mm)	30	3ØY 277/480	L19-30
<input type="checkbox"/> L2030PW	<input type="checkbox"/> L2030CW	<input type="checkbox"/> L2030RW				
			0.43-1.15" (10.9-29.2mm)	30	3ØY 347/600	L20-30

4-pole, 5-wire grounding

20A; 3ØY 120/208, 3ØY 277/480, 3ØY 347/600V/AC
30A; 3ØY 120/208, 3ØY 277/480, 3ØY 347/600V/AC
NEMA L21-20, L22-20, L23-20, L21-30, L22-30, L23-30

Table 7. Locking devices – 4-pole, 5-wire

Catalog no.			Cord diameter	Rating		NEMA
Plug	Connector	Single receptacle		A	V/AC	
<input type="checkbox"/> L2120PW	<input type="checkbox"/> L2120CW	<input type="checkbox"/> L2120RW	0.36-0.84" (9.1-21.3mm)	20	3ØY 120/208	L21-20
<input type="checkbox"/> L2220PW	<input type="checkbox"/> L2220CW	<input type="checkbox"/> L2220RW				
<input type="checkbox"/> L2320PW	<input type="checkbox"/> L2320CW	<input type="checkbox"/> L2320RW	0.36-0.84" (9.1-21.3mm)	20	3ØY 347/600	L23-20
<input type="checkbox"/> L2130PW	<input type="checkbox"/> L2130CW	<input type="checkbox"/> L2130RW				
<input type="checkbox"/> L2230PW	<input type="checkbox"/> L2230CW	<input type="checkbox"/> L2230RW	0.43-1.15" (10.9-29.2mm)	30	3ØY 120/208	L21-30
<input type="checkbox"/> L2330PW	<input type="checkbox"/> L2330CW	<input type="checkbox"/> L2330RW				
			0.43-1.15" (10.9-29.2mm)	30	3ØY 277/480	L22-30
			0.43-1.15" (10.9-29.2mm)	30	3ØY 347/600	L23-30



Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:

Applications

Industrial specification grade watertight devices are ideal for applications in food and beverage, agriculture, chemical processors, shipyards, marinas and wastewater treatment environments. Watertight receptacles feature spring-loaded flip-lid covers that provide watertight protection even under 1,000 psi water spray. Plugs, connectors and receptacles comply with various NEMA and IEC ratings as listed below.

Table 8. Specifications

Device type	Watertight plugs & connectors, straight blade & locking	Watertight receptacles, straight blade & 15A locking	Watertight receptacles, 20A & 30A locking
Wiring type	Back wire	Back wire	Back wire
Testing & code compliance	<ul style="list-style-type: none"> Listed to UL 498, file no. E3663 cUL Certified to C22.2, no. 182.2 	<ul style="list-style-type: none"> Listed to UL 498, file no. E2369 cUL Certified to CAN/CSA C22.2 no. 42-99 	<ul style="list-style-type: none"> Listed to UL 498, file no. E2369 NOM certified
Environmental specifications	<p>Flammability: Meets UL 94 requirements; V2 rated</p> <p>Temperature rating: -40°C to 75°C (-40°F to 167°F)</p> <p>Protection: NEMA 4, 4X, 6, 6P & IP67</p>	<p>Flammability: Meets UL 94 requirements; V2 rated</p> <p>Temperature rating: -40°C to 75°C (-40°F to 167°F)</p> <p>Protection: NEMA 3, 3R, 4, 4X, 12 & IP66</p>	<p>Flammability: Meets UL 94 requirements; V2 rated</p> <p>Temperature rating: -40°C to 75°C (-40°F to 167°F)</p> <p>Protection: NEMA 3, 3R, 4, 4X, 12 & IP66</p>
Electrical specifications	<p>High pressure water test: 1000 psi spray (mated or closed)</p> <p>Dielectric voltage: Withstands 1500V per UL 498</p> <p>Current interrupting: Yes, at full-rated current</p> <p>Temperature rise: Max. 30°C (86°F) after 250 cycles of overload</p>	<p>High pressure water test: 1000 psi spray (mated or closed)</p> <p>Dielectric voltage: Withstands 1554V per UL 498</p> <p>Current interrupting: Yes, at full-rated current</p> <p>Temperature rise: Max. 30°C (86°F) after 250 cycles of overload</p>	<p>High pressure water test: 1000 psi spray (mated or closed)</p> <p>Dielectric voltage: Withstands 1696 - 2200V per UL 498</p> <p>Current interrupting: Yes, at full-rated current</p> <p>Temperature rise: Max. 30°C (86°F) after 250 cycles of overload</p>
Mechanical specifications	<p>Terminal accommodation: #18 - 10 AWG</p> <p>Voltage ratings: Permanently marked on device</p>	<p>Terminal accommodation: #18 - #10 AWG</p> <p>Voltage ratings: Permanently marked on device</p>	<p>Terminal accommodation: #14 - #8 AWG</p> <p>Voltage ratings: Permanently marked on device</p>

Table 9. Materials

Receptacle flip lid cover & base	N/A	Thermoplastic, glass-filled nylon	Thermoplastic, glass-filled nylon
Receptacle cover spring	N/A	Stainless steel, self-closing	Stainless steel, self-closing
Receptacle lid liner & mounting gasket	N/A	Santoprene™ thermoplastic elastomeric	Santoprene™ thermoplastic elastomeric
Plug/connector outer shell	Santoprene™ thermoplastic elastomeric over glass filled polypropylene	N/A	N/A
Interior body	Nylon	Glass-filled nylon	Glass-filled nylon
Terminal retainer	Clear polycarbonate	Clear polycarbonate	Clear polycarbonate
Blades	.060" thick brass, nickel plated	N/A	N/A
Line contacts	.032" thick copper alloy, nickel plated	.032" thick copper alloy, nickel plated	.032" thick copper alloy, nickel plated
Ground shunt	N/A	Solid brass	Solid brass
Terminal clamps	Steel, nickel plated	Steel, nickel plated	Steel, nickel plated
Terminal screws	#10-32 brass, neutral screw nickel plated	#8-32 brass, neutral screw nickel plated	#10-32 brass, neutral screw nickel plated
Ground contact	N/A	.032" thick brass, nickel plated	.032" thick brass, nickel plated
Ground screw	#10-32 brass, zinc plated (green)	#8-32 brass (green)	#10-32 brass (green)
Assembly/mounting screws	Stainless steel	Stainless steel	Stainless steel
Compression nut	Nylon	N/A	N/A
Compression nut grommet	Santoprene™	N/A	N/A
Receptacle mounting plate	N/A	Stainless steel	Stainless steel

Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:

Certifications & compliances

Catalog no.				UL ^{us}	NAFTA	RoHS	NOM ⁴²¹
Receptacles							
Single	Duplex	Plugs	Connectors				
60W47	60W47DPLX			•	•	•	•
60W49	60W49DPLX			•	•	•	•
60W33	60W33DPLX			•	•	•	•
60W48	60W48DPLX			•	•	•	•
14W47	15W47			•	•	•	•
14W49	15W49			•	•	•	•
14W33	15W33			•	•	•	•
14W48	15W48			•	•	•	•
65W47	65W47DPLX	24W47	25W47	•	•	•	•
65W49	65W49DPLX	24W49	25W49	•	•	•	•
65W34	65W34DPLX	24W34	25W34	•	•	•	•
L520RW		L520PW	L520CW	•	•	•	•
L620RW		L620PW	L620CW	•	•	•	•
L720RW		L720PW	L720CW	•	•	•	•
L820RW		L820PW	L820CW	•	•	•	•
L530RW		L530PW	L530CW	•	•	•	•
L630RW		L630PW	L630CW	•	•	•	•
L730RW		L730PW	L730CW	•	•	•	•
L830RW		L830PW	L830CW	•	•	•	•
7314RW		9965PW	7314CW	•	•	•	•
L1020RW		L1020PW	L1020CW	•	•	•	•
L1120RW		L1120PW	L1120CW	•	•	•	•
L1030RW		L1030PW	L1030CW	•	•	•	•
3333RW		3333PW	3333CW	•	•	•	•

Catalog no.				UL ^{us}	NAFTA	RoHS	NOM ⁴²¹
Receptacles							
Single	Duplex	Plugs	Connectors				
L1130RW		L1130PW	L1130CW	•	•	•	•
L1420RW		L1420PW	L1420CW	•	•	•	•
L1520RW		L1520PW	L1520CW	•	•	•	•
L1620RW		L1620PW	L1620CW	•	•	•	•
L1430RW		L1430PW	L1430CW	•	•	•	•
L1530RW		L1530PW	L1530CW	•	•	•	•
L1630RW		L1630PW	L1630CW	•	•	•	•
L1730RW		L1730PW	L1730CW	•	•	•	•
7413RW		7411PW	7413CW	•	•	•	•
L1820RW		L1820PW	L1820CW	•	•	•	•
L1920RW		L1920PW	L1920CW	•	•	•	•
L2020RW		L2020PW	L2020CW	•	•	•	•
3433RW		3431PW	3433CW	•	•	•	•
L1830RW		L1830PW	L1830CW	•	•	•	•
L1930RW		L1930PW	L1930CW	•	•	•	•
L2030RW		L2030PW	L2030CW	•	•	•	•
L2120RW		L2120PW	L2120CW	•	•	•	•
L2220RW		L2220PW	L2220CW	•	•	•	•
L2320RW		L2320PW	L2320CW	•	•	•	•
L2130RW		L2130PW	L2130CW	•	•	•	•
L2230RW		L2230PW	L2230CW	•	•	•	•
L2330RW		L2330PW	L2330CW	•	•	•	•

KEY: cULus NAFTA ROHS NOM⁴²¹

Parts are manufactured and designed in accordance with article 4 of the European Union's RoHS2 directive 2011/65/EU

Table 10. Color ordering information

For ordering devices, include Cat. no. followed by the color code: (Black), Y (Yellow)

BK	Y
Black	Yellow

Electrical Sector
203 Cooper Circle
Peachtree City, GA 30269
United States
Eaton.com
Eaton.com/arrowhart

Electrical Sector
Canada Operations
5925 McLaughlin Road
Mississauga, Ontario, L5R 1B8
Canada
EatonCanada.ca
Eaton.com/arrowhart

Electrical Sector
Mexico Operations
Carr. Tlalnepantla -
Cuautitlán Km 17.8 s/n
Col. Villa Jardín esq.
Cerrada 8 de Mayo
Cuautitlán, México CP 54800
México
Eaton.mx
Eaton.com/arrowhart