# **IEC 309 Plugs, Connectors, Receptacles, and Inlets**

NEMA 4X IP67 Watertight / Splashproof

## **Non-hazardous Light Industrial**

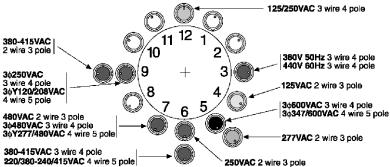
## **Applications:**

- In indoor and outdoor environments
- In locations with splashing water (IP44) or hose down locations (IP67)
- Where lightweight, non-metallic devices are desirable
- Ideal for light industrial applications, such as: construction sites, light manufacturing, agriculture, food and beverage processing, computer/computer power equipment, restaurants/industrial kitchen equipment

## Making a Connection is Easy

A clock face is used to represent the grounding contact position for all female connectors and receptacles. With the keyway at the bottom, the female grounding contact will appear to one of the twelve hour positions. To identify the system voltage, identify the housing color and hour location of the connector or receptacle grounding contact.





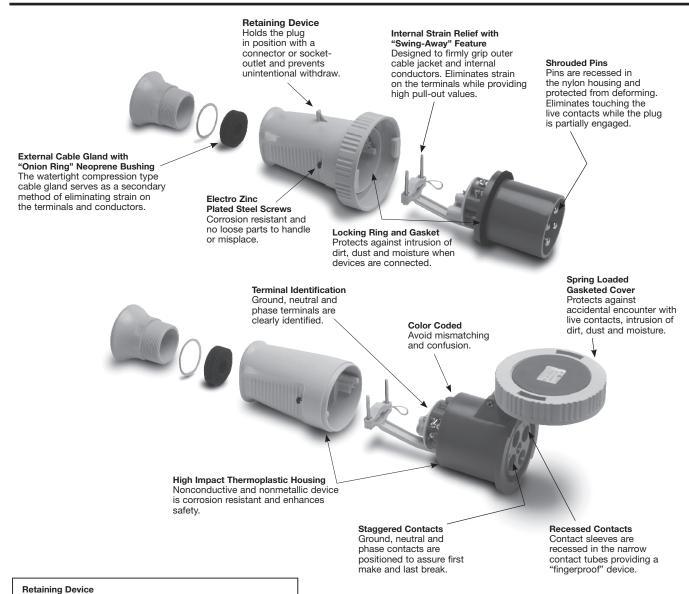
## **Ordering is Easy**

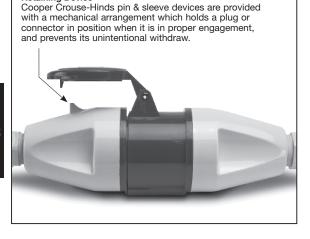
CH	4	20	R	<b>7</b>	W
Prefix	1st digit	2nd–4th digit	1st letter	Last digit	Last letter
CH = Cooper Crouse- Hinds Light Industrial	3 = 3 pole 4 = 4 pole 5 = 5 pole	16 = 16 Amp 20 = 20 Amp 30 = 30 Amp 32 = 32 Amp 60 = 60 Amp 63 = 63 Amp 100 = 100 Amp 125 = 125 Amp	P = Plug C = Connector R = Receptacle Straight RA = Receptacle 15° Angled RA80 = Receptacle 80° Angled B = Inlet MI = Mechanical Interlock MIB = Circuit Breaker Interlock SMR = Surface Mount Receptacle	Clock position of female grounding contact	W = Watertight S = Splashproof

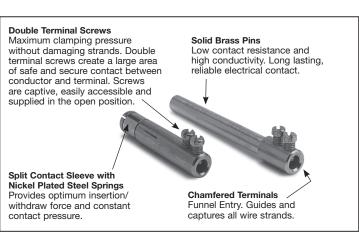


NEMA 4X IP67 Watertight / Splashproof

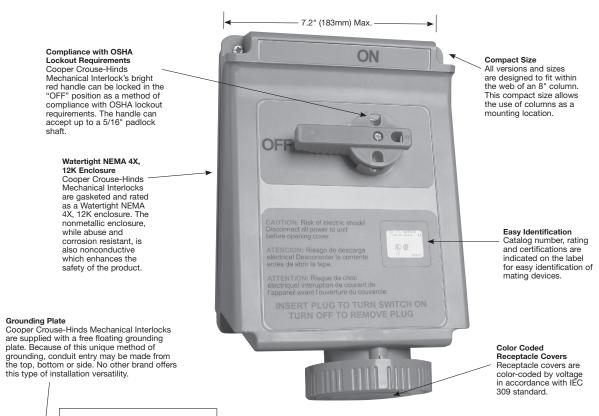
## **Non-hazardous Light Industrial**







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#### A Pre-Molded Offset Dimple

Cooper Crouse-Hinds does not install a hub at the top of our mechanical interlocks, rather a pre-molded offset dimple (drill point) is provided instead of a conduit entry hole. This allows the installer to choose the size of the conduit to be used, and the location where the conduit will be attached to the enclosure (top, bottom or side entry) without the use of knockout plugs and reducers. Arranging the conduit entry hole at the dimple location will prevent condensation from falling directly on the interior electrical components, such as the switch. It will also allow for more room to pull conductors when wiring. Approximately 40% of all entry is from the bottom.



#### Swivel Mount Feet (135°)

Swivel mount feet can be used for installations where irregular or tight fit applications exist.



Completely compatible with not only Cooper Crouse-Hinds IEC 309-1 and 309-2 plugs, but with any manufacturer's plugs that conform to the IEC 309 standards and color coding system anywhere in the world. When Cooper Crouse-Hinds IP67 plugs are used in conjunction with NEMA 4X rated Cooper Crouse-Hinds Interlocks, both devices are NEMA 4X rated.

**Completely Compatible** 



#### Micro Switch

Available upon request. May be used to transmit signal when plug is inserted or when switch is turned to the "ON" position. May also be used for indicator light to display and confirm when switch is turned "ON" or "OFF". Consult technical service for price and delivery.

### **Horsepower Ratings:**

			Three Phase				
Amperage	Wires/Poles	120VAC	240VAC	480VAC	600VAC		
20 and 30	2W, 3P	2	5	10	-		
20 and 30	3W, 4P	2	10	20	25		
20 and 30	4W, 5P	10	-	20	25		
60 and 100	2W, 3P	3	7.5	15	-		
60 and 100	3W, 4P	3	15	25	30		
60 and 100	4W, 5P	15	-	25	30		



## **Non-hazardous Light Industrial Ordering Information**

## **Pin and Sleeve Ordering Information:**

20A and 30A North American Ratings Series 2 16A and 32A **International Ratings Series 1** 

## Watertight Devices\*















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	Wires	Configura					Surface					Circuit
Amps		Receptacle/ Connector	Plug/ Inlet	Voltage	Straight Receptacle	Angled 15° Receptacle†	Mount Receptacle	Plug	Connector	Inlet	Interlock Unfused	Breaker Interlock
16A	2W3P		<b>(</b>	110-130	CH316R4W	CH316RA4W	CH316SMR4W	CH316P4W	CH316C4W	CH316B4W	CH316MI4W	CH316MIB4W
	2W3P			220-240	CH316R6W	CH316RA6W	CH316SMR6W	CH316P6W	CH316C6W	CH316B6W	CH316MI6W	CH316MIB6W
	3W4P			380-400	CH416R6W	CH416RA6W	CH416SMR6W	CH416P6W	CH416C6W	CH416B6W	CH416MI6W	CH416MIB6W
	4W5P		<u></u>	220-380 & 240-415	CH516R6W	CH516RA6W	CH516SMR6W	CH516P6W	CH516C6W	CH516B6W	CH516MI6W	CH516MIB6W
20A	2W3P		<b>©</b>	125	CH320R4W	CH320RA4W	CH320SMR4W	CH320P4W	CH320C4W	CH320B4W	CH320MI4W	CH320MIB4W
	2W3P			250	CH320R6W	CH320RA6W	CH320SMR6W	CH320P6W	CH320C6W	CH320B6W	CH320MI6W	CH320MIB6W
	2W3P	<b>©</b>	<b>(</b>	480	CH320R7W	CH320RA7W	CH320SMR7W	CH320P7W	CH320C7W	CH320B7W	CH320MI7W	CH320MIB7W
	3W4P			125/250	CH420R12W	CH420RA12W	CH420SMR12W	CH420P12W	CH420C12W	CH420B12W	CH420MI12W	CH420MIB12W
	3W4P		<b>(i)</b>	3Ø250	CH420R9W	CH420RA9W	CH420SMR9W	CH420P9W	CH420C9W	CH420B9W	CH420MI9W	CH420MIB9W
	3W4P		<b>(</b>	3Ø480	CH420R7W	CH420RA7W	CH420SMR7W	CH420P7W	CH420C7W	CH420B7W	CH420MI7W	CH420MIB7W
	3W4P			3Ø600	CH420R5W	CH420RA5W	CH420SMR5W	CH420P5W	CH420C5W	CH420B5W	CH420MI5W	CH420MIB5W
	4W5P		<b>(i)</b>	3ØY120/208	CH520R9W	CH520RA9W	CH520SMR9W	CH520P9W	CH520C9W	CH520B9W	CH520MI9W	CH520MIB9W
	4W5P			3ØY277/480	CH520R7W	CH520RA7W	CH520SMR7W	CH520P7W	CH520C7W	CH520B7W	CH520MI7W	CH520MIB7W
	4W5P			3ØY347/600	CH520R5W	CH520RA5W	CH520SMR5W	CH520P5W	CH520C5W	CH520B5W	CH520MI5W	CH520MIB5W
30A	2W3P		$\odot$	125	CH330R4W	CH330RA4W	CH330SMR4W	CH330P4W	CH330C4W	CH330B4W	CH330MI4W	CH330MIB4W
	2W3P			250	CH330R6W	CH330RA6W	CH330SMR6W	CH330P6W	CH330C6W	CH330B6W	СН330МІ6W	СН330МІВ6W
	2W3P		<b>(</b>	480	CH330R7W	CH330RA7W	CH330SMR7W	CH330P7W	CH330C7W	CH330B7W	СН330МІ7W	CH330MIB7W
	3W4P			125/250	CH430R12W	CH430RA12W	CH430SMR12W	CH430P12W	CH430C12W	CH430B12W	CH430MI12W	CH430MIB12W
	3W4P			3Ø250	CH430R9W	CH430RA9W	CH430SMR9W	CH430P9W	CH430C9W	CH430B9W	СН430МІ9W	CH430MIB9W
	3W4P			3Ø480	CH430R7W	CH430RA7W	CH430SMR7W	CH430P7W	CH430C7W	CH430B7W	CH430MI7W	CH430MIB7W
	3W4P			3Ø600	CH430R5W	CH430RA5W	CH430SMR5W	CH430P5W	CH430C5W	CH430B5W	CH430MI5W	CH430MIB5W
	4W5P		<b>(</b>	3ØY120/208	CH530R9W	CH530RA9W	CH530SMR9W	CH530P9W	CH530C9W	CH530B9W	CH530MI9W	CH530MIB9W
	4W5P			3ØY277/480	CH530R7W	CH530RA7W	CH530SMR7W	CH530P7W	CH530C7W	CH530B7W	CH530MI7W	CH530MIB7W
	4W5P			3ØY347/600	CH530R5W	CH530RA5W	CH530SMR5W	CH530P5W	CH530C5W	CH530B5W	CH530MI5W	CH530MIB5W
32A	2W3P		<b>(</b>	110-130	CH332R4W	CH332RA4W	CH332SMR4W	CH332P4W	CH332C4W	CH332B4W	CH332MI4W	CH332MIB4W
	2W3P			220-240	CH332R6W	CH332RA6W	CH332SMR6W	CH332P6W	CH332C6W	CH332B6W	CH332MI6W	CH332MIB6W
	3W4P			380-400	CH432R6W	-	CH432SMR6W	CH432P6W	CH432C6W	CH432B6W	CH432MI6W	CH432MIB6W
	4W5P			220-380 & 240-415	CH532R6W	CH532RA6W	CH532SMR6W	CH532P6W	CH532C6W	CH532B6W	CH532MI6W	CH532MIB6W

<sup>\*</sup>Splashproof IP44 products are also available - please contact factory.

<sup>†</sup>Angled 80° receptacles are also available. To order, add suffix "80" directly after "RA" in the angled 15° receptacle catalog number (Example: CH330RA804W). 250VDC and Barge Overflow products are also available - please contact factory.

