



Color:  Red

UPC Code: 07847783879

## 520C7W

### Item Description

20 Amp, 277/480 Volt 3-Phase WYE, 4P, 5W, North American Pin & Sleeve Connector, Industrial Grade, IP67, Watertight - RED

### Technical Information

#### Electrical Specifications

**Amperage:** 20 A

**Current Interrupting:** Certified for current interrupting at full rated current

**Dielectric Voltage:** 3000V for 1 min.

**Endurance:** Up to 5000 connects and disconnects, under load, at full rated current and voltage

**Insulation Resistance:** 500V for 1 min;  $\geq 5M$

**Pole:** 4

**Temperature Rise:** Max 30°C temp rise at full-rated current after 50 cycles of OL at 150% rated current

**Voltage:** 277/480 VAC

**Wire:** 5

**Phase:** 3-Phase WYE

#### Environmental Specifications

**Corrosion Resistance:** Ferrous parts immersed in 20°C, 10 percent ammonium chloride solution for 10 min

**Flammability:** Rated V-2 per UL 94

**IP Rating:** IP67/IP69K

**Moisture Resistance:** Per UL 1682, immersed for 24 hours in 5cm of 25°C water

#### Material Specifications

**Arm Spring:** Performance Grade Stainless Steel

**Body Material:** Valox 357

**Contact Carrier:** Nylon

**Cover Eyelet:** Nickel-Plated Brass

**Cover with Arm:** Valox 357

**External Cord Clamp Assembly:** Valox 357

**External Screws:** Acid-Proof S/S

**Gland Cap:** Valox 357

**Grommet/Gasket:** Chloroprene

**Internal Cord Clamp Assembly:** Thermoplastic

**Internal Screws:** Zinc-plated steel

**Phase and Ground Sleeves:** Brass

**Sleeve Spring:** Stainless Steel

**Terminal Screws:** Steel

#### Mechanical Specifications

**Cable Secureness:** Force: 30lb, Torque: 0.4 ft-lb, Max Disp:  $\leq 3/32$ "

**Cord Range:** .437 - 1.187

**Crush Test:** 250lbs for 1 min after -25°C for 6 hrs

**Impact Resistance:** Drop from 30" 8 times after conditioning to -25°C for 6 hrs

**Minimum Withdrawal Force:** 5lbs

#### Product Features

**Color:** Red

**Configuration:** North American

**Device Type:** Connector

**IEC Rating:** 60309-1 and 60309-2

#### Standards and Certifications

**CE Marking:** Per low voltage directives 73/23/EEC, 93/68/EEC

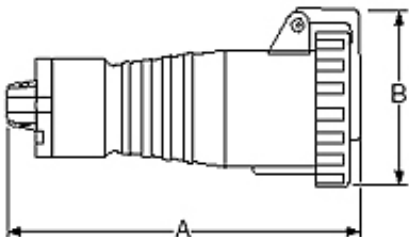
**CSA Certified:** C22.2 No 182.1

**IEC Rating:** 60309-1 and 60309-2

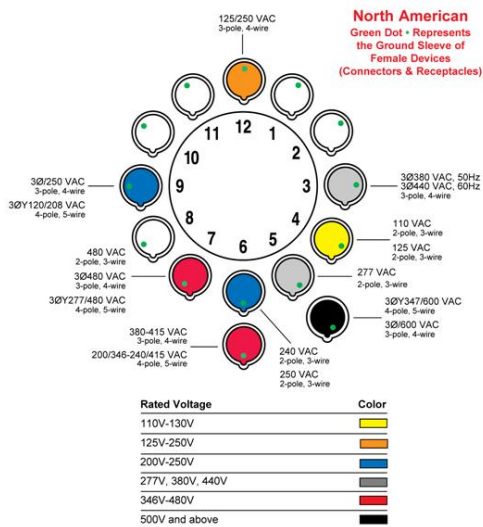
**UL Listed:** 1682 and 1686

**Warranty:** 2-Year Limited

## Dimensional Diagram



UNIT	A	B
inch	7.95	3.82
mm	202	97



## SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:	
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