

# 3100C6W



UPC Code: 07847783851

# 3100C6W

## Item Description

100 Amp, 250 Volt, 2P, 3W, North American Pin & Sleeve Connector, Industrial Grade, IP67, Watertight - BLUE

## Technical Information

### Electrical Specifications

**Dielectric Voltage:** 2000V for 1 min.

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

**Voltage:** 250 Volt

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

**Amperage:** 100 Amp

**Endurance:** Up to 1000 connects and disconnects, under load, at full rated current and voltage

**Wire:** 3

**Insulation Resistance:** 500V for 1 min; >= 5M

**Pole:** 2

### Environmental Specifications

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

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

**IP Rating:** IP67, Watertight

**Flammability:** Rated V-0 per UL94

### Material Specifications

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

**Contact Carrier:** Reinforced Nylon

**External Cord Clamp Assembly:** Valox 357

**Sleeve Spring:** Stainless Steel

**Body Material:** Valox 357

**Grommet/Gasket:** Chloroprene

**Cover Eyelet:** Nickel-Plated Brass

**Terminal Screws:** Stainless Steel

**Gland Cap:** Valox 357

**Arm Spring:** Performance Grade Stainless Steel

**Internal Screws:** Zinc-plated steel

**Cover with Arm:** Valox 357

**Internal Cord Clamp Assembly:** Thermoplastic

**Phase and Ground Sleeves:** Brass

### Mechanical Specifications

**Cable Secureness:** Force: 150lb, Torque: 2.0 ft-lb, Max Disp: <= 3/32"

**Minimum Withdrawal Force:** 20lbs

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

**Cord Range:** .950 - 1.875

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

### Product Features

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

**Color:** Blue

### Standards and Certifications

**UL Listed:** 1682 and 1686

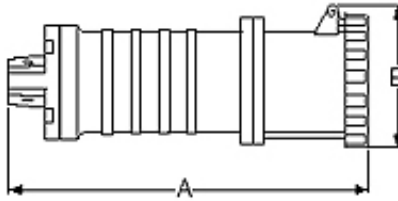
**Warranty:** 2-Year Limited

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

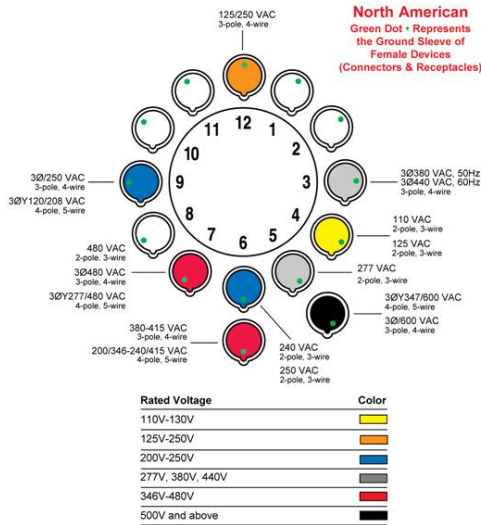
**CE Marking:** Per low voltage directives 73/23/EEC, 93/68/EEC

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

## Dimensional Diagram



UNIT	A	B
inch	12.8	4.84
mm	325	123



## SPECIFICATION SUBMITTAL

JOB NAME: <input style="width: 95%; height: 20px;" type="text"/>	CATALOG NUMBERS: <input style="width: 95%; height: 20px;" type="text"/>
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