

# 3100C6W

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



Color:  Blue

UPC Code: 07847783851

## Technical Information

### Electrical Specifications

**Amperage:** 100 A

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

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

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

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

**Pole:** 2

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

**Voltage:** 250 VAC

**Wire:** 3

### Environmental Specifications

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

**Flammability:** Rated V-0 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:** Reinforced 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:** Stainless Steel

### Mechanical Specifications

**Cable Secureness:** Force: 150lb, Torque: 2.0 ft-lb, Max Disp:  $\leq 3/32$ "

**Cord Range:** .950 - 1.875

**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:** 20lbs

### Product Features

**Color:** Blue

**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

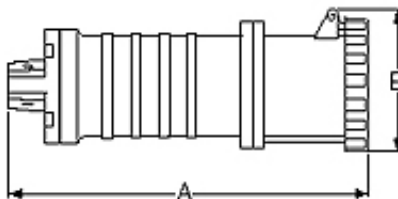
**CSA Certified:** C22.2 No 182.1

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

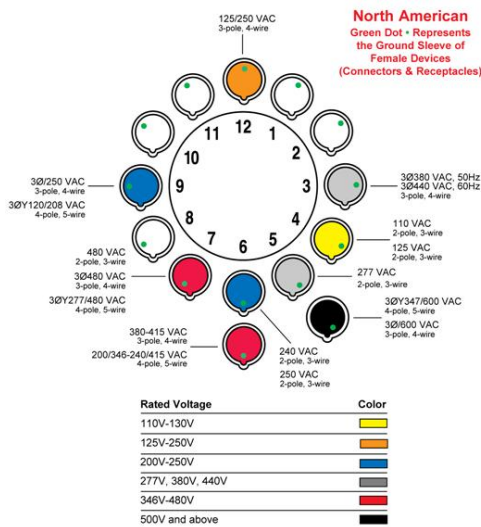
**UL Listed:** 1682 and 1686

**Warranty:** 2-Year Limited

## Dimensional Diagram



UNIT	A	B
inch	12.8	4.84
mm	325	123



## SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:	
JOB NUMBER:		

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