

3100P7W



UPC Code: 07847783892

Country of Origin: Sweden - *Eligible for
ARRA funded projects > \$7,443,000

Configuration:



Item Description

100 Amp, 480 Volt, 2P, 3W, North American-Rated Pin & Sleeve Plug, Industrial Grade, IP67, Watertight - RED

Technical Information

Electrical Specifications

Amperage: 100 Amp

Voltage: 480 Volt

Pole: 2

Wire: 3

Dielectric Voltage: 3000V for 1 min.

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

Endurance: Up to 250 connects and disconnects, under load, at full rated current and voltage

Current Interrupting: Certified for current interrupting at full rated current

Temperature Rise: Max 30C after 50 cycles OL at 150 percent rated current

Environmental Specifications

Flammability: Rated V-0 per UL94

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

Material Specifications

Body Material: Valox 357

Locking Ring: Valox 357

Internal Cord Clamp Assembly: Thermoplastic

External Cord Clamp Assembly: Valox 357

Gland Cap: Valox 357

Grommet/Gasket: Chloroprene

Contact Carrier: Reinforced Nylon

Phase and Ground Pins: Brass

Internal Screws: Zinc-plated steel

Terminal Screws: Stainless Steel

External Screws: Acid-Proof S/S

Mechanical Specifications

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

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

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

Minimum Withdrawal Force: 20lbs

Cord Range: .950 - 1.875

Product Features

Color: Red

Standards and Certifications

UL Listed: 1682 and 1686

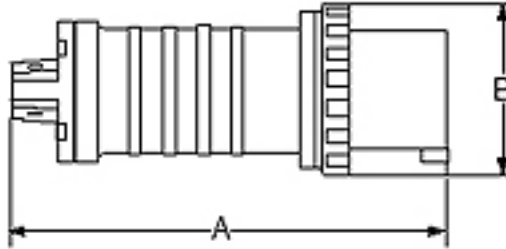
CSA Certified: C22.2 No 182.1

IEC Rating: 60309-1 and 60309-2

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

Warranty: 2-Year Limited

Dimensional Diagram



UNIT	A	B
inch	12.3	5.00
mm	312	127

SPECIFICATION SUBMITTAL

JOB NAME: <input style="width: 95%; height: 20px;" type="text"/>	CATALOG NUMBERS: <input style="width: 60%; height: 20px;" type="text"/> <input style="width: 35%; height: 20px;" type="text"/>	
JOB NUMBER: <input style="width: 95%; height: 20px;" type="text"/>	<input style="width: 25%; height: 20px;" type="text"/>	<input style="width: 65%; height: 20px;" type="text"/>

Leviton Manufacturing Co., Inc.
 201 North Service Road, Melville, NY 11747
 Telephone: 1-800-323-8920 · FAX: 1-800-832-9538 · Tech Line (8:30AM-7:30PM E.S.T. Monday-Friday): 1-800-824-3005

Leviton Manufacturing of Canada, Ltd.
 165 Hymus Boulevard, Pointe Claire, Quebec H9R 1E9 · Telephone: 1-800-469-7890 ·
 FAX: 1-800-824-3005 · www.leviton.com/canada

Leviton S. de R.L. de C.V.
 Lago Tana 43, Mexico DF, Mexico CP 11290 · Tel.: (+52)55-5082-1040 · FAX: (+52)5386-1797 · www.leviton.com.mx

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