

### Features

- **Touch Safe**

Minimizes the risk of personal contact with a hazardous voltage. Passes UL & IEC finger probe (plug & receptacle) and 3mm probe tests (receptacle).

- **Arcing Protection**

Housings contain the arc if connectors are mated or unmated while under load minimizing risk to personnel.

- **Hot Plug Rated**

The connectors are hot plug rated for both electronic (capacitive) and electrical (resistive) loads.

- **First Mate, Last Break Ground Contact**

Provides the safety of an earthing path before engagement of the power contacts.

- **Integral Latch**

Connectors cannot be accidentally unmated, preventing unwanted power loss to critical equipment.

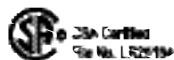
### PRODUCT RANGE

Electrical	
Voltage (AC/DC)	
• UL 1977 / CSA 22.2	600
• IEC	400
Current Rating (Amperes)	20
Wire Range (AWG)	#14 to #18
(mm <sup>2</sup> )	1.5 to 0.75
Hot Plug Rated	
• 50 cycles	400V @ 440A in-rush
• 250 cycles (UL)	400V @ 20A load
• 1000 cycles	400V @ 6.25A load
Dielectric Withstanding Voltage	3,300
Operating Temperature (°C)	-20° to 80°
(°F)	-4° to 176°
Creep & Clearance per UL & IEC 60950	
• 8.0 mm between live parts of different polarity, earthing circuit and the mating surface	
Mechanical	
Contact Retention (lbf)	20
(N)	89
Latch Retention (lbf)	20
(N)	89
Materials (RoHS Compliant)	
Housings	
• 2006G1 Series receptacles	PBT +30% GF, UL94 V-0
• All other Receptacles 7 Plugs	Polycarbonate UL94 V-0
Springs	Stainless Steel
Contacts	Copper, Silver Plate
Cable / Strain Relief	Thermoplastic UL94 V-2

### PRODUCT INFORMATION

The APP Saf-D-Grid plug and receptacle provide for the direct connection of DC electronic devices to a DC micro-grid powered by renewable energy or high efficiency DC sources. The connector meets international safety requirements for hazardous, low voltage applications including UL 950 and IEC 60950.

The receptacle connector is designed to replace the IEC320 C14 inlet connector for DC power sources up to 600 volts. The APP Saf-D-Grid receptacle has the same height and width as the IEC320 C14 inlet connector and snaps into the standard 19.9mm by 26.8mm panel cut-out. The depth of the receptacle has been increased to provide touch safety, voltage clearance and arc protection.



This Product is Patented All Data Subject To Change Without Notice

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