

February, 2016

Bourns Releases New PortNote® Solution

AC Power Supply Port - Mobile Broadband AC Power Supply Protection

Bourns is pleased to announce the release of the *AC Power Supply Port – Mobile Broadband AC Power Supply Protection* PortNote® Solution.

Base Transceiver Station (BTS) equipment can be powered by 110/220 V AC. The AC ports need to be protected, especially in harsh environments. The Bourns® Model 1250 Series General Duty AC Surge Protective Devices (SPDs) are intended to be installed at the front-end of the installation, in the main switchboard, close to sensitive terminals or in installations without LPS (lightning rods).

The Bourns® Model 1250 Series is easy to install (DIN Rail mountable) and maintain (visual fault indicator and remote signaling). It guards equipment safely with up to 50 KA, 8/20 μ s discharge current capability.

There is no design kit associated with this PortNote® Solution. Please contact your local [Bourns Representative](#) or [Bourns Customer Service](#) for further information on ordering the product(s) associated with the solution.

PORTNOTE® SOLUTIONS

AC POWER SUPPLY PORT

Mobile Broadband AC Power Supply Protection

Solution Products

1250-15-230

1250-45-230

Objective

While normally powered by 48 V DC, Base Transceiver Station (BTS) equipment can be powered by 110/220 V AC. The AC ports need to be protected, especially in harsh environments. The Bourns® Model 1250 Series are general duty AC Surge Protective Devices (SPDs) intended to be installed at the front end of the installation, in the main switchboard, close to sensitive terminals or in installations without LPS (lightning rods).

Solution

AC Surge Protective Devices:

- 1250-15-230
- 1250-25-230
- 1250-35-230
- 1250-45-230

Compliance*

UL1449 Type 4, Type 2 Location

Alternate Recommendations

1210 Series for heavy duty environments

Features & Benefits

- Up to 50 KA, 8/20 μ s surge capability.
- Remote signaling
- DIN Rail compatible
- RoHS compliant**

Schematic Diagram: Shows a main switchboard or sub-panel with AC supply lines (L1, L2, L3, N, PE) and a SPD installed in the line. The SPD is connected to the AC supply lines and the equipment. A note states: "The Bourns® Model 1250-15-230 and 1250-45-230 Surge Protective Devices are listed under UL1449 as Type 4 for use as Type 2 Locations." Another note states: "The schematic shown here illustrates the application protection and does not constitute the complete circuit design. Customers should verify on their device performance in their specific applications."

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Bourns® PortNote® solutions provide protection recommendations for typical port threats.

For more information, go to: www.bourns.com
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