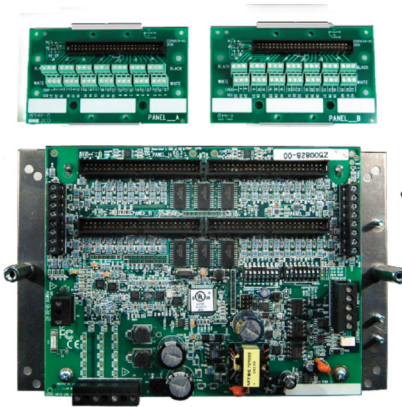




## Declaration of Conformity to Specifications

**PRODUCTS: BCPMSCxxx(S,D)**



### INTRODUCTION:

IEC61036, UL508, IEC61010 are standards used for this type of product that aim to ensure the following:

- Product performance within a specified temperature range
- Product robustness regarding EMC, climatic, and mechanical phenomenon
- Product safety

### 1. PRODUCT CHARACTERISTICS

In (Branch)	I <sub>max</sub> (Branch)	U <sub>n</sub> (L-N)	U <sub>min</sub> (L-N)	U <sub>max</sub> (L-L)	AuxCT ratio
50A, 100A	100A	277VLN	90V	480V	1 to 32767

### 2. FUNCTIONS PERFORMANCE CLASS

Symbol	Function	Accuracy	Measuring Range (ratio = 1:1)
<b>BrP</b>	Total active power (Branch)	3% of reading	2 – 100% 0.8 Ind – 0.8 Cap
<b>AxP</b>	Total active power (Auxiliaries)	IEC 61036 Class 1 ANSI C12.1-2001	
<b>Brl</b>	Branch Current	2% of reading	2 – 100%
<b>Axl</b>	Auxiliary Current	1% of reading 2% of reading	10 – 100% of CT rating 1 – 10% of CT rating
<b>V</b>	Voltage (L-N)	1% of reading	90 – 277VAC (L-N)

### 3. CLIMATIC

Characteristic	Value
Temperature rated operating range (with specified uncertainty)	0 to 60 °C
Temperature limit range of operation (no hardware failures)	0 to 60 °C
Temperature range for storage and shipping	-40 to 70 °C
Humidity rated operating range (with specified uncertainty)	0 to 75 % RH
Humidity limit range of operation for 30 days / year	0 to 90% RH
Humidity limit range for storage and shipping	0 to 90 % RH
Altitude	0 to 3000 m

Note: Standard IEC62053-21 Table 8 temperature coefficients apply for temperatures above and below 25°C.

### 4. MECHANICAL, EMC, AND SAFETY

Characteristic	Reference Standard
EMC emission	EN61000-6 / CISPR 22:2006
EMC immunity	EN61000-6
Product Safety	IEC / EN61010-1 CuL – UL508 CSA 22.2 no 14-05.