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SMU Protection Module Characteristics

CONDITIONS

This document contains specifications and supplemental information for the Model 2600B-PM-1 Protection Module. Specifications are the standards against which the Model 2600B-PM-1 is tested. Upon leaving the factory, the Model 2600B-PM-1 meets these specifications. Characteristics, supplemental characteristics, and typical values are not warranted, apply at 23 °C ± 5 °C, < 70 percent relative humidity, and are provided solely as useful information.

For optimal low current performance, connect HI SENSE, HI, and LO to the 2600 instrument for both 2- and 4-wire measurements.

CHARACTERISTICS

Leakage	< 10 pA at 200 V typical
DC current carrying capability	< 100 mA
Dynamic current limit capability	Minimum pulse width of 100 µs Typical voltage drop across protection module @ 1 A is 4 V
Protection current	100 mA DC and < 100 ms transient current spikes up to 1 A
Protection voltage	220 V DC minimum 230 V DC typical 240 V DC maximum
Dimensions	23.114 mm high x 71.755 mm long x 78.740 mm wide (0.91 in. high x 2.825 in. long x 3.100 in. wide)
Weight	0.18 kg (0.4 lb)

GENERAL

Warranty	1 year
Safety	Conforms to European Union Low Voltage Directive

CONNECTORS

High voltage	Triaxial, female, quantity of 3. Maximum voltage 1kV.
Low voltage	Triaxial, female, quantity of 3. Maximum voltage 1kV.
Safety	Single ground terminal screw