

Dedicated Decoupling Networks for Power Energy Meter EMS

Test System

SND-10NF Series

Datasheet



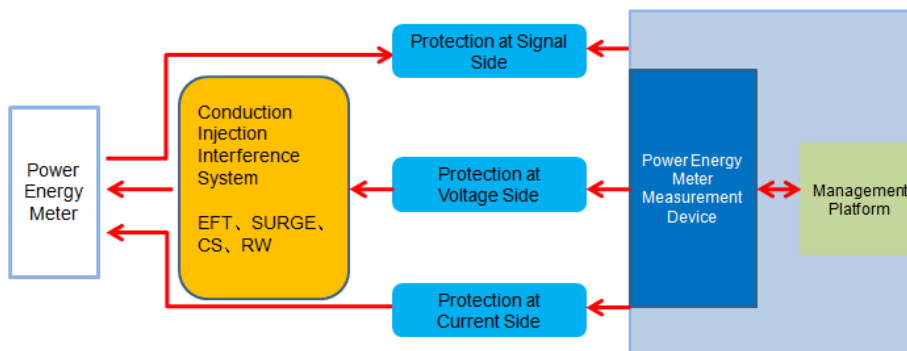
In Compliance with

- > GB/T17215.211
- > GB/T17215.321
- > GB/T17215.322
- > GB/T17215.323
- > GB/T17626.4
- > GB/T17626.5
- > GB/T17626.12
- > IEC 62052-11
- > JJF 1245.1

Introduction

SND-10NF series dedicated decoupling networks for power energy meter EMS test systems are used in conducting immunity tests of EFT/Burst, conducted disturbances induced by radio frequency field, surge, damped oscillatory waves and ringwave and radio interference, the output signal amount of power energy meter applied rated voltage shall not exceed that of specified in non-current condition and the error shall be within the scope of specification under electric current condition. In EMC test environment, the measurement system is severely required to not only output stably voltage and current signals, but also be capable of receiving pulses signals and calculating errors, and work normally additionally, such as data processing and transmissions, which is difficult for traditional measurement systems. SND-10NF series are a complete set of power energy meter EMS immunity test systems and can realize the functions of application various disturbances in power energy meter, power energy meter measurement, power energy meter measurement management and measurement system protection.

Topological Diagram for Power Energy Meter EMS Test Systems



Features

- > Improve the protection capability of power energy meter online testing and measurement;
- > Compact size for in-situ test;
- > Increase the anti-interference ability of AE;

Application Areas

- > Electricity
- > Telecom
- > Avionics
- > New energy
- > Military
- > Railway

Technical Parameters

Model No.	SND-10NF-U	SND-10NF-I	SND-10NF-S
Rated Voltage	42.4 V ~700 V AC	42.4 V ~700 V AC	2 V ~60V DC
Rated Current	16 A; 30 A; 100 A	16 A; 30 A; 100 A	2 A
Residual Voltage Ratio (EMS is Applied to)	100: 1	100: 1	100: 1
Insertion Loss	300 kHz~30 MHz >20 db 30 MHz~230 MHz >20 db 230 MHz~1G Hz >20 db	300 kHz~30 MHz >20 db 30 MHz~230 MHz >20 db 230 MHz~1G Hz >20 db	300 kHz~30 MHz >20 db 30 MHz~230 MHz >20 db 230 MHz~1G Hz >20 db
Isolation Voltage	AC 1500 V DC 1500 V	AC 1500 V DC 1500 V	AC 1500 V DC 1500 V
Leakage Current	<10 mA	<10 mA	<10 mA
Ambient Temperature	10 °C ~40°C	10°C ~40°C	10°C ~40°C
Relative Humidity	5%~85%, 85% @40°C	5%~85%, 85% @40°C	5%~85%, 85% @40°C
Storage Environment	-10°C ~70°C , 90% RH	-10°C ~70°C , 90% RH	-10°C ~70°C , 90% RH
Altitude	60 m - 3000 m	60 m - 3000 m	60 m - 3000 m
Dimensions	280 mm (L) x 102 mm (W) x 350 mm (H)	280 mm (L) x 102 mm (W) x 350 mm (H)	120 mm (L) x 103 mm (W) x 234 mm (H)

Standard Accessories

SND Decoupling Network
 Test Cables
 Grounded Cables
 Factory Inspection Report
 Quality Guaranteed Manual
 Operating Instruction



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