

SCPV - TEMPEST 16A - 14 Socket - Power Distribution Box

Silicon CPV's, 16A, 14 Socket Power Distribution Box including integral 16A TEMPEST filter, has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product is IP66 rated, providing fourteen UK 3 pin IP66 rated sockets. Input and Output connections are provided using "commando" style plugs and sockets.

The SCPV Tempest filter has been designed for use within unprotected power environments to ensure deployment and electrical installation is as quick and simple as possible.

The product has been designed to support current ratings of 16 Amps under single phase operating voltage conditions.



Description

- TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
- Filter insertion loss of 60dB from 100kHz to 1GHz
- **Fourteen, UK 3 pin, 13A, 230V, BS1363 output sockets, IP66 rated**
- Input 16A 2P+E 230V Plug IP66 IEC 60309-1:2021
- Output 16A 2P+E 230V Socket IP66 IEC 60309-1:2021
- Input Protection 16A, 2 Pole, 30mA Type AC 2 RCD Module
- Watertight, crushproof dustproof and easy open double throw latches
- Strong polyurethane wheels with stainless steel bearings and fold down handles
- Automatic Pressure Equalization Valve - balances interior pressure, keeps water out
- Designed to IT equipment safety standard IEC 62368-1:2023
- Fully 360° screened input cable to maintain red/black separation to filter
- Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas
- CE compliant
- Filters comply with basic requirements of the EMC directive 2014/30/EU

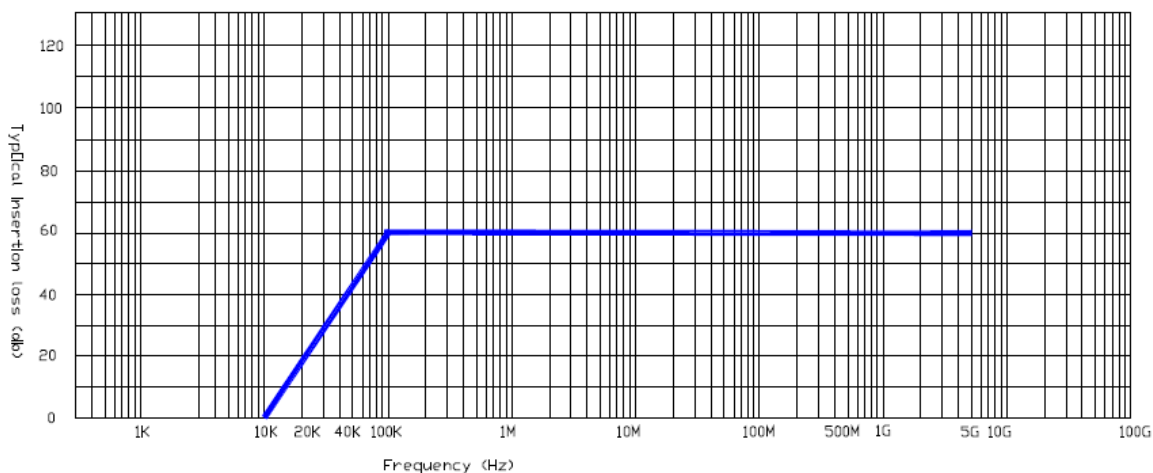
Product and Filter Ratings and Characteristics

Rated Voltage	230V AC 50/60Hz	Storage Temp Range	-25°C to 85°C
Test Voltage (line-earth)	2250V DC	Operating Temp Range	-20°C to 50°C
Test Voltage (line-Line)	1250V DC	Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Rated Current @50°C	16A	Discharge Time	Less than 1s to below 34V
Earth Leakage Current	Less than 3.0mA	IP66 Enclosure	Watertight, crushproof, and dustproof
Max Temp Rise @Full Load	<35°C	Case finish	Open cell core with solid wall design
IP rating	66	Weight	13Kg

Dimensional Data



Performance Characteristics and Insertion Loss Curves



Part No and Ordering Information

CP&F Part No:	Product Description
SCPVTEMPEST16A14SIP66	14 Socket 16A Single Phase 230V Tempest Filter