



# Product Specifications

## SCPV – TEMPEST Inline Filter 16AIL19 For 19" Rack

### Why choose this product?

Silicon CPV's inline, 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 uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

### Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C  
Insertion loss of 60dB from 100kHz to 1GHz

**2m, 3 core flex cable for input / output connectivity**

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  
Self-healing metallised plastic film capacitors  
High common & differential mode insertion loss  
Improved low frequency performance  
Powder coated aluminium enclosure  
16A designed filters are tolerable for personnel protection RCCD  
UKCA - CE compliant - Input voltage range (90-275VAC)  
Simple mechanical and electrical installation  
Filters comply with basic requirements of the EMC directive 2014/30/EU  
19" Rack Mountable Filter





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### Part Number

SCPVTEMPEST16AIL19

CP&F Part No: **SCPVTEMPEST16AIL19**

### Product Description

19" Rack, Maximum 16A Single Phase

230V Inline Tempest Filter

## Rating and Characteristics

Rated Voltage	<b>230V AC 50/60Hz</b>
Test Voltage (line- earth)	<b>2250V DC</b>
Test Voltage (line-Line)	<b>1250V DC</b>
Rated Current @50°C	<b>16A</b>
Earth Leakage Current	<b>Less than 3.0mA</b>
Max Temp Rise @Full Load	<b>&lt;35°C</b>
Storage Temp Range	<b>-25°C to 85°C</b>
Operating Temp Range	<b>20°C to 50°C</b>
Insertion Loss (50Ω Asymmetric)	<b>60dB, 100KHz - 1GHz</b>
Discharge Time	<b>Less than 1s to below 34V</b>
Enclosure	<b>Extruded Aluminium</b>
Finish	<b>Powder coated</b>

