



# Product Specifications

## SCPV – TEMPEST Inline Filter 32AIL19 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  
32A 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

SCPVTEMPEST32AIL19

CP&F Part No: **SCPVTEMPEST32AIL19**

### Product Description

19" Rack, Maximum 32A 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>32A</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>             |

