

SOLUTIONS BY



MISSION CRITICAL FACILITIES
DESIGN AND CONSTRUCTION

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• 1 Year Warranty •



Transients Voltage Surge Suppression(TVSS) HiNergy Surge Suppressor Series

Features

- Capable to handle High-Energy Transient on TT, TN-C, TN-S and TN-C-S Three Phase Power System
- Able to handle normal and common surge protection up to 40kA per phase
- Fast Respond Time, High Surge Current Capability, Low Voltage Protection Levels
- MOV or MOV + Gas Tube Model Available.
- 3-Pole Terminal provides Remote Status Monitoring
- DIN Rail Mounting and Plug-In Module Design allow for easy installation Maintenance and replacement of surge elements
- Modular Surge Protective Device (SPD)
- Comes with one year warranty include labour and parts



General Technical Specification

• EN 61643-11	Type 2
• IEC 61643-1:1998-02	Class II
• Degree of Protection	IP 20
• MOV Encapsulation Materials	Epoxy Resin
• Operating Temperature Range	-40°C to +85°C
• Housing Materials	ABS/ PA UL94V0
• Status Monitoring	Remote Alarm Terminals
• Mounting	Symmetrical Rail (EN50022 / DIN462773-3)

Performance Technical Specifications

Electrical Characteristics	HSS 12031	HSS 23031	HSS 27731	HSS 34631
System Voltage	120/208, 127/220VAC	230/400,220/380, 240/415VAC	277/480, 254/440VAC	346/600VAC
Type of Network	TT-NT	TT-NT	TT-NT	TT-NT
Modes of Protection	L-N; N-PE	L-N;N-PE	L-N;N-PE	L-N;N-PE
Nominal Voltage	Un – 120 V	Un – 230 V	Un – 320 V	Un –346 V
Rated Voltage (MCOV)	Uc – 150 V	Uc – 320 V	Uc – 320 V	Uc – 420 V
Nominal Discharge Current (8 x 20 μS)	1n – 20kA	1n – 20kA	1n – 20kA	1n – 20kA
Maximum Discharge Current	Imax – 40 kA	Imax – 40 kA	Imax – 40 kA	Imax – 40 kA
Voltage Protection Level	Up- 1.2 kV	Up- 1.6 kV	Up- 1.6 kV	Up- 2.0 kV
Response Time	TS – 25 ns	TS – 25 ns	TS – 25 ns	TS – 25 ns
Relative Humidity	95%	95%	95%	95%
Isolation Resistance	Risol >103 MV	Risol >103 MV	Risol >103 MV	Risol >103 MV

*Specification subjects to change without prior notice