

DC Surge Protection Solutions

Strikesorb® 35 Module

Strikesorb 35-G-HGV • Strikesorb 35-G-HGV-M

Raycap's innovative Strikesorb® 35-G-HGV surge protective device is designed specifically for DC applications and is compliant with the UL 1449 4th edition and IEC 61643-31 standards. Offering maintenance-free operation, it mitigates the risk of damage due to lightning and provides high levels of availability and reliability to DC power installations for example: battery storage, photovoltaic, power semiconductor, and other applications.

Strikesorb®



Strikesorb incorporates a single, heavy duty, distribution grade Metal Oxide Varistor (MOV) disk, assembled under pressure in an environmentally sealed aluminum casing in series with a gas discharge tube. This unique design provides very low internal contact resistance, excellent thermal management and uniform distribution of the surge current over the total area of the protection element, thus resulting in an extremely high energy handling capability combined with very low let-through voltage. Strikesorb's patented design minimizes the effects of ageing and completely eliminates the risk of catastrophic failure, explosion or fire, which are common in conventional surge protective devices relying on the use of internal fuses and thermal disconnectors.

Strikesorb has been designed to withstand repeated surges providing a cost-effective and maintenance-free operation in harsh environments.

Features

- Strikesorb 35-G-HGV Surge Protective Device (SPD) is specifically designed for use in DC systems of operating voltage up to 1500V
- Strikesorb 35-G-HGV is a Type 1 SPD, per the IEC 61643-31 standard for surge protective devices, and a Type 2 Component Assembly SPD per UL 1449 4th edition.
- Its unique patented design provides uninterrupted protection from damage caused by lightning. Strikesorb 35-G-HGV is able to withstand direct lightning currents up to 12.5kA (10/350 μ s)
- Provides very low let-through voltage, unique for a Type 1 product (per IEC)
- Maintenance-free

Strikesorb is a registered trademark of Raycap
 © 2020 Raycap All rights reserved.
 G02-01-550 Release 4 200601

SPECIFICATIONS

DC Surge Protection Solutions
Strikesorb® 35 Module
 Strikesorb 35-G-HGV • Strikesorb 35-G-HGV-M

Strikesorb®

Electrical		Strikesorb 35-G-HGV • Strikesorb 35-G-HGV-M**
Strikesorb 35 Metric Models**		
Surge Protective Device (SPD) per UL 1449 4 th Edition		Type 2 DC SPD
Surge Protective Device (SPD) Type per IEC 61643-31, EN 50539-11		Type 1
Maximum Continuous Operating DC Voltage [U_{dcmcov}]		1500V
Response Time [t_A]		<100ns
Nominal Discharge Current [I_n] per UL 1449 4 th Edition		20kA 8/20 μ s
Impulse Discharge Current [I_{imp}] per IEC 61643-31		12.5kA 10/350 μ s
Voltage Protection Rating [VPR] per UL 1449 4 th Edition		2500V
Voltage Protection Level [U_p] per IEC 61643-31		3000V
Mechanical		
Environmental Ingress Protection (IP) Rating		IP65
Operating Temperature (°C)		-40 °C to +100°C
Dimensions	Diameter	79mm [8.11"]
	Height	87mm [3.43"]
Weight		1100gr [2.43 lbs]
Standards Compliance & Certifications		
Standards	UL 1449 4 th Edition, IEC 61643-31, EN 50539-11	
Certifications	UL, CE	

**Strikesorb Metric Model Thread: M12



Raycap

www.raycap.com