Surge Protection Solutions
Strikesorb® 30-DRM Series
**Strikesorb 30-V1-DRM • Strikesorb 30-A-DRM • Strikesorb 30-B-DRM
Strikesorb 30-C-DRM • Strikesorb 30-D-DRM**

Strikesorb®

The unique design of the Strikesorb® provides uninterrupted protection from damaging overvoltages. Strikesorb 30-DRM modules are designed to be easily integrated into electrical panels via DIN rail attachment. Strikesorb's maintenance-free design absorbs and dissipates the excess energy of successive surges without performance deterioration, successfully preventing electrical surges from damaging mission-critical equipment in telecommunications, power generation, defense, transportation, industrial as well as building applications.

Strikesorb incorporates a single, heavy duty, distribution grade Metal Oxide Varistor (MOV) disk, assembled under pressure in an environmentally sealed aluminum casing. This unique design provides very low internal contact resistance, excellent thermal management of the MOV 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 voltages. Strikesorb's design minimizes the effects of ageing and completely eliminates the risk of catastrophic failure, explosion or fire, which are common in conventional surge protection devices.

The Strikesorb design incorporates state of the art MOV technology developments providing superior protection characteristics, which remain unchanged throughout its long service life. The module has been designed to withstand repeated surges providing a cost-effective and maintenance free operation in harsh environments.

Strikesorb is rated for safe operation without the use of internal fuses. This unique feature makes it the most reliable surge protection device known and insures that critical electronic equipment will remain protected at all times.

Raycap

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Strikesorb®

Electrical	Strikesorb 30-V1-DRM	Strikesorb 30-A-DRM	Strikesorb 30-B-DRM	Strikesorb 30-C-DRM	Strikesorb 30-D-DRM
Surge Protective Device (SPD) Type per UL 1449 5th Edition	Type 2 Component Assembly	Type 2 Component Assembly	Type 2 Component Assembly	Type 2 Component Assembly	Type 2 Component Assembly
Surge Protective Device (SPD) Class per IEC 61643-11	Class II	Class II	Class II	Class II	Class II
Nominal Operating AC Voltage [U_n]	60V	120V	240V	277V	480V*
Maximum Continuous Operating AC Voltage [U_c]	75V	150V	275V	350V	550V**
Temporary AC Overvoltage Withstand [U_T] for 5s per IEC 61643-11	114V	229V	442V	528V	762V
Response Time [t_A]	<1ns	<1ns	<1ns	<1ns	<1ns
Nominal Discharge Current [I_n] per UL 1449 5th Edition	20kA 8/20µs	20kA 8/20µs	20kA 8/20µs	20kA 8/20µs	20kA 8/20µs
Maximum Discharge Current [I_{max}] per IEC 61643-11	40kA 8/20µs	50kA 8/20µs	50kA 8/20µs	50kA 8/20µs	50kA 8/20µs
Maximum Surge Current Capacity [I_{max}] per NEMA LS-1	60kA 8/20µs	60kA 8/20µs	60kA 8/20µs	60kA 8/20µs	60kA 8/20µs
Voltage Protection Rating (VPR) per UL 1449 5th Edition	330V	600V	1000V	1500V	1800V
Voltage Protection Level [U_p] per IEC 61643-11	500V	750V	1300V	1700V	2300V
Residual Voltage at 10kA (8/20µs)	330V	585V	1070V	1395V	1825V
Operating Frequency Range	0...500Hz	0...500Hz	0...500Hz	0...500Hz	0...500Hz
Mechanical					
Mounting Method	35 mm DIN Rail	35 mm DIN Rail	35 mm DIN Rail	35 mm DIN Rail	35 mm DIN Rail
Environmental Ingress Protection (IP) Rating	IP 20	IP 20	IP 20	IP 20	IP 20
Operating Temperature (°C)	-40 °C to +85 °C	-40 °C to +85 °C	-40 °C to +85 °C	-40 °C to +85 °C	-40 °C to +85 °C
Dimensions (L × W × H)	3.31" × 2.13" × 2.52" [84.0 × 54.0 × 64.1 mm]	3.31" × 2.13" × 2.52" [84.0 × 54.0 × 64.1 mm]	3.31" × 2.13" × 2.52" [84.0 × 54.0 × 64.1 mm]	3.31" × 2.13" × 2.52" [84.0 × 54.0 × 64.1 mm]	3.31" × 2.13" × 2.52" [84.0 × 54.0 × 64.1 mm]
Weight	.837 lb [380 g]	.837 lb [380 g]	.837 lb [380 g]	.837 lb [380 g]	.881 lb [400 g]

Standards Compliance & Certifications	
Standards	UL 1449 5th Edition, IEC 61643-11, EN 61643-11, IEEE C62.11, IEEE C62.41.2, IEEE C62.45, NEMA LS-1
Certifications	UL, VDE, CE

* 400V per IEC 61643-11

**480V per IEC 61643-11

The information in this document is subject to change at any time without notice.

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