




Specification for Transient Tracking Technology Three Phase SD4 Surge Diverter System (Polycarbonate Enclosure)

Specification			
Power ratings: AC voltage ratings Optional Voltages and 3 or 4 wire connection Leakage Current Operating Time		3 Δ 4 wire (Star) 3 Δ 4 wire (Delta) Frequency Power System From Line to Earth Nano Seconds	110/200, 240/415 and 275/480 200, 415, 480 50 or 60 Hz TT, TN-S, TN-C, TN-C-S(MEN) 3mA Maximum <1ns
SD4 Surge Diverter Module (4pole SDM): Primary Surge Diverters ratings Surge Waveform KA (8/20ms) Modes of Protection** Primary and Secondary Surge Diverters **See SDM Brochure Maximum Continuous Operation Voltage Multipulse Capability		Standard Standard Optional L1~N, L2~N, L3~N, N~E	 25, 40, 80, 100, 140, 160, 200kA per mode** L1~N, L2~N, L3~N and N~E L1~E, L2~E, L3~E and N~E 288VAC RMS AC Voltage Yes
Surge Current Capacity		Model - SD4-025K-P-RR/T SD4-040K-P-RR/T SD4-080K-P-RR/T SD4-100K-P-RR/T SD4-140K-P-RR/T SD4-160K-P-RR/T SD4-200K-P-RR/T	25KA L1/L2/L3~N + 40KA N~E 40KA L1/L2/L3~N + 80KA N~E 80KA L1/L2/L3~N + 100KA N~E 100KA L1/L2/L3~N + 140KA N~E 140KA L1/L2/L3~N + 160KA N~E 160KA L1/L2/L3~N + 160KA N~E 200KA L1/L2/L3~N + 200KA N~E
Alarms Breakdown Isolation Indication Panel		Relay Contacts Isolation Voltage LED Indication	N.O. 5Amp.240VAC Rated 4KV Power and Surge Diverter Status (On = OK, Off = Fault)
International Standards		Surge Testing	ANSI/IEEE C62.41-1991 AS/NZS 1768-1991
Abnormal Overvoltage Testing		SD4-xxxK-P-RR/T	UL1449 ed.2
Physical Enclosure Mounting Cable Termination		Temperature Range Environmental rating Enclosure Colour Heat Loss Rear screw under cover Screw Connection Cable Entrance	-10 to 80 °C, 0~90% humidity IP67 Polycarbonate Material Transparent Cover and Grey Base < 10 watts 4x4 Δ screw Flexible cable Bottom Gland plate
Model	Weight	Terminals	Dimensions (Height x Width x Depth)
SD4-025K-P-RR/T	2kg	Copper Lug 4mm Δ Screw	170mm x 140mm x 95mm
SD4-040K-P-RR/T	2kg	Copper Lug 4mm Δ Screw	170mm x 140mm x 95mm
SD4-080K-P-RR/T	2kg	Copper Lug 5mm Δ Screw	230mm x 140mm x 95mm
SD4-100K-P-RR/T	2kg	Copper Lug 5mm Δ Screw	230mm x 140mm x 95mm
SD4-140K-P-RR/T	2kg	Copper Lug 5mm Δ Screw	230mm x 140mm x 95mm
SD4-160K-P-RR/T	2kg	Copper Lug 5mm Δ Screw	230mm x 140mm x 95mm
SD4-200K-P-RR/T	2kg	Copper Lug 5mm Δ Screw	280mm x 190mm x 130mm

All specifications subject to change without notice.

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