




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 Frequency Power System Leakage Current Operating Time EMI/RFI Filtering	3Ø 4 wire (Star) 3Ø 4 wire (Delta) 50 or 60 Hz TT, TN-S, TN-C, TN-C-S(MEN) From Line to Earth Nano Seconds -50dB	110/200, 240/415 and 275/480 200, 415, 480 3mA Maximum <1ns	
SD4 Surge Diverter Module (4pole SDM): Primary Surge Diverters ratings Surge Waveform KA (8/20µs) 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 Ø screw Flexible cable Bottom Gland plate	
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	Weight 2kg 2kg 2kg 2kg 2kg 2kg 2kg	Terminals Copper Lug 4mm Ø Screw Copper Lug 4mm Ø Screw Copper Lug 5mm Ø Screw Copper Lug 5mm Ø Screw Copper Lug 5mm Ø Screw Copper Lug 5mm Ø Screw Copper Lug 5mm Ø Screw Copper Lug 5mm Ø Screw	Dimensions (Height x Width x Depth) 170mm x 140mm x 95mm 170mm x 140mm x 95mm 230mm x 140mm x 95mm 230mm x 140mm x 95mm 230mm x 140mm x 95mm 230mm x 140mm x 95mm 280mm x 190mm x 130mm

All specifications subject to change without notice.

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