



Specification for Surge Diverter System 1Ø Surge Diverter - SDM - xxx Series (Polycarbonate Enclosure)

Specification		1Ø Surge Diverter	
Power ratings: AC voltage ratings (Optional) Ph ~ N and Ph ~ E Frequency Power System Operating Time	110, 240, 275 and 415 (T*) 50 or 60 Hz TT, TN-S, TN-C, TN-C-S(MEN) <1ns		
Surge Diverter Ratings: Surge Waveform KA (8/20ms)	SDM-025K-P-RR 025KA SDM-040K-P-RR 040KA SDM-080K-P-RR/T 080KA SDM-100K-P-RR/T 100KA SDM-140K-P-RR/T 140KA SDM-160K-P-RR/T 160KA		
Modes of Protection The aggregate surge material may be distributed over three optional mode, Line ~ Neutral (Differential Mode) Line ~ Earth (Common Mode) and Neutral ~ Earth (Common Mode) (*T-Thermal Cut Off)	Mode identification SDM-xxxK-P-RR/T SDMne-xxxK-P-RR/T SDM2-xxxK-P-RR/T SDM3-xxxK-P-RR/T	Aggregate Distribution Line ~ Neutral = 50% Line ~ Earth = 50% Neutral ~ Earth = 100% Line~Neutral = 50% Neutral~Earth = 50% Line~Neutral = 33% Line~Earth = 33% Neutral~Earth = 33%	
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	SDM_-xxxK-P-RR/T (T-version only)	UL1449 ed.2	
Physical Enclosure Mounting Cable Termination	Temperature Range Environmental rating Metal Enclosure Finish Colour Heat Loss Rear screw under cover Screw & Bolt Connection Cable Entrance	-10 to 80 °C, 0~90% humidity Ip67 Polycarbonate Material Transparent Cover and Grey Base < 2 watts 4x4Æ screw Flexible cable Bottom, Rear and Side options	
Model SDM-025K-P-RR SDM-040K-P-RR SDM-080K-P-RR/T SDM-100K-P-RR/T SDM-140K-P-RR/T SDM-160K-P-RR/T	Weight 1kg 1kg 2kg 2kg 2kg 2.5kg	Terminals Copper Lug 3.5mm Ø Screw Copper Lug 3.5mm Ø Screw Copper Lug 3.5mm Ø Screw Copper Lug 3.5mm Ø Screw Copper Lug 3.5mm Ø Screw Copper Lug 3.5mm Ø Screw Copper Lug 3.5mm Ø Screw	Dimensions (Height x Width x Depth) 110mm x 80mm x 65mm 110mm x 80mm x 65mm 170mm x 80mm x 65mm 170mm x 80mm x 65mm 170mm x 80mm x 65mm 170mm x 80mm x 65mm

All specifications subject to change without notice.

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