

LS-series

SURGE DIVERTER

Three Phase Power Line Surge Protector



LS Surge Diverter with Enclosure



Sample of LS-411C x 3 in Enclosure

- AC surge protector for 3-phase system
- Easy installation for MDB and load center location
- Parallel installation with main power system
- No effect to load or main power
- All TVSS protection mode ; Line-Line, Line-Neutral, Line-Earth, Neutral-Earth
- LED protected status and replaced indicator
- Remote alarm contact
- Low let-through voltage less than 600 Volt
- Surge capability $I_{max} = 20 \text{ kA}, 40 \text{ kA} (8/20 \mu\text{s})$
- High MCOV
- Fuse breakers / Circuit breakers are available
- Accordance with ANSI/IEEE C62.41, ANSI/IEEE C62.42 and IEC 61643-1 standards

LS-series Surge Diverters provide high energy surge diversion for protection against power surge caused by external sources as lightning strikes and substation switching. LS-series Surge Diverter is designed for mounting at point-of-entry / service entrance, main switchboard or distribution board, sub-distribution board for preventing damage to switchboards and your equipments. Protection and replacement status are indicated by LED indicators. And remote alarm contact provide dry contact signal to allow remote status monitoring.

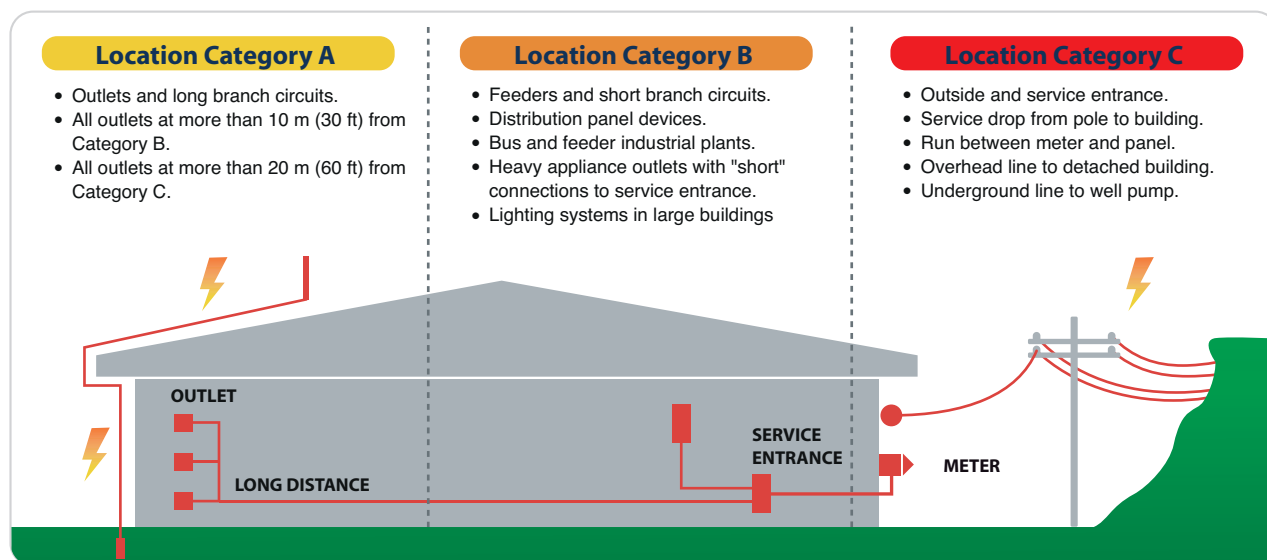
Applications

- Industrial power utility
- Telecommunication system
- Process and control system
- Computer network / IT system
- UPS system
- Security system
- Medical system

TVSS ⚡

SURGE DIVERTER WITH ENCLOSURE		LS-211Cx3-ENCL	LS-411Cx3-ENCL
ELECTRICAL SYSTEM		Three phase (3 wire + neutral + earth)	
NOMINAL VOLTAGE		380 Vac or 415 Vac	
FREQUENCY RANGE		45 - 65 Hz	
PROTECTION MODE		L-L, L-N, L-E, N-E	
APPLICATION RANGE	MCOV	310 - 480 Vac	
LET THROUGH VOLTAGE		600 V	
SURGE ENERGY DISSIPATION		3 x 1560 joules	3 x 3080 joules
SURGE CAPABILITY (I _{max})	8/20 µs wave form	20 kA / phase	40 kA / phase
LEAKAGE CURRENT	Phase to earth	<200 µA	<400 µA
TRANSIENT RESPONSE TIME		less than 25 ns	
LOCATION CATEGORY		A1, A2, A3, B1, B2, B3, C1, C2	
DESIGN REGULATION	TVSS standard	ANSI/IEEE C62.41, ANSI/IEEE C62.42, IEC 61643-1	
INDICATOR LIGHT	Surge diverter	TVSS Protected (green), Replaced (red)	
	Enclosure	Power line indicator (green), Alarm (red)	
REMOTE ALARM	Dry contact	yes	
SAFETY ISOLATION		Fuse breaker / Circuit breaker	
OPERATION CONDITION	Ambient temp.	-40°C to 60°C	
	Relative humidity	0 - 95% (non-condensing)	
DIMENSIONS	W x H x D in mm.	260 x 350 x 160	260 x 350 x 160
WEIGHT	Approx. in kg	6.5	7.5

Continuous product development is our commitment. In that manner, the above specifications may be changed without prior notice.



Authorized Distributor

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