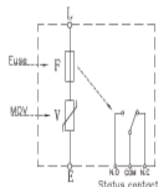


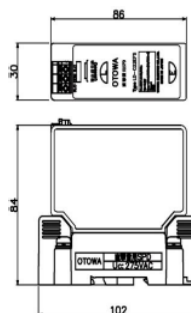
OTOWA Power line Type1 SPD(MOV) LD-C22EFS / LD-42EFS

Coordinated and modular single-pole SPD with high follow current limitation; with remote signalling contact for monitoring system (floating changeover contact).

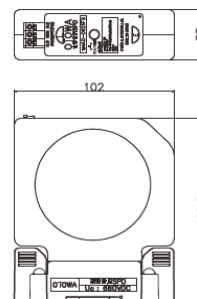


Basic Circuit Diagram

- Large energy protection capability with superior MOV unit
- Low protection level : Up $\leq 1300V$
- Very fast response time ($\leq 3nsec$), Decoupling inductance not required
- Discharge capacity up to 25kA (10/350 μs)
- Appropriate for earth bonding
- Operating state / fault indication by red indicator flag



LD-C22EFS



LD-42EFS

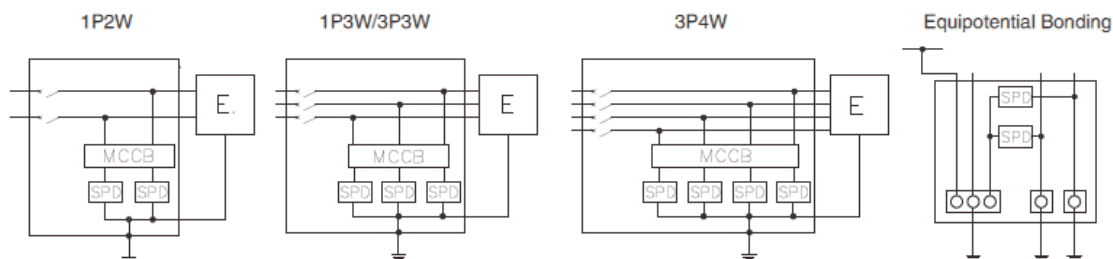
Dimension drawing

Type	LD-C22EFS	LD-42EFS
SPD according to EN 61643-11 / IEC 61643-11	Type1	
Nominal a.c. voltage (Un)	230V(50 / 60 Hz)	440V(50 / 60 Hz)
Max. continuous operating a.c. voltage (Uc)	275V(50 / 60 Hz)	510V(50 / 60 Hz)
Nominal discharge current (In)	25kA	
Lightning impulse current (10/350 μs) (Iimp)	25kA	
Voltage protection level (Up)	$\leq 1.3kV$	$\leq 2.5kV$
Response time (tA)	$\leq 3ns$	
Max. main-side over current protection	315A	
Short-circuit withstand capability	50kA	
Operating temperature range	$-20^{\circ}C \sim +50^{\circ}C$	
Operating state / fault indication	Indication bar flag Failure mode contact	
Number of ports	1	
Cross-sectional area (min.)	8mm ² Stranded	
Cross-sectional area (max.)	22mm ² Stranded	
For mounting on	35mm DIN rails / bolt	
Enclosure material	thermoplastic, UL 94 V-0	
Place of installation	Indoor installations	
Degree of protection	IP 20	
Poles (terminal)	1	
Conformity to environment	Comply to RoHS requirement	
Type of remote signalling contact	changeover contact	
a.c. switching capacity	250V / 0.5A	
d.c. switching capacity	125V / 0.2A ;	
Cross-sectional area for remote signalling terminals	0.75 ~ 1.25mm ² solid / flexible	

OTOWA Type1 SPD LD-EFS Series



Connection



Other information



OTOWA web site



LD-C22EFS



LD-42EFS

Instruction manual

Manufacturer



OTOWA ELECTRIC CO.,LTD.

5-6-20, Shioe, Amagasaki-city, Hyogo Pref. 〒661-0976, Japan

CONTACT US

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Agency