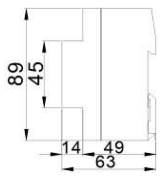
Repsun Lightning Protection Technology Co., Ltd

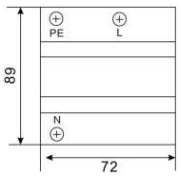
REP-BC25T1+T2-320-1S

1.Combination T1+T2 SPD surge protector for single phase
2.Non exhausting encapsulated spark gap technology with extremely high surge capacity
3.High follow current extinction and limitation due to no follow current
4.Reliable supervision due to new LTR energy control technology
5.With remote signaling contact optional and light failure indicator

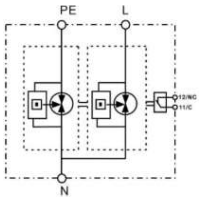
Model	REP-BC25T1+T2-320-1S
The SPD according to IEC/EN 61643-11	I+II/T1+T2
Energy coordination with terminal equipment(≤5m)	T1+T2+T3
Nominal AC voltage(Un)	230/400Vac(50/60Hz)
Maximum continuous voltage(Uc)	320Vac(50/60Hz)
Lightning impulse current(10/350μs) Iimp(L-N/N-PE)	25kA/50kA
Specific energy(L-N)/(N-PE)(W/R)	156.25kJ/ohms/312.50kJ/ohms
Nominal discharge current(8/20μs) In(L-N/N-PE)	25kA /50kA
Maximum discharge current(8/20μs) Imax(L-N/N-PE)	200kA
Response time	≤25ns
Voltage protection level Up@In	≤1.5 kV
Voltage protection level Up@6kV(1.2/50μs)	≤1.0 kV
Follow current extinguishing capability a.c. Ifi(L-N/N-PE)	25kA rms/100kA rms
Follow current limitation/Selectivity	No tripping of a 32 A gG fuse up to 25kArms(prosp)
Temporary overvoltage (TOV)(L-N)(UT)-Characteristic	≥440V/120min.-withstand
Temporary overvoltage (TOV)(N-PE)(UT)-Characteristic	≥1200V/200ms-withstand
Additional abnormal voltage test:485Vac/50Hz for 24h	withstand
Let-Through-Energy in combination with an MOV S20K275(Iimp=2.5…25kA)	< 0.5J
Remote alarm contact	NC/C,
Remote alarm contact capability Un/In	AC:250/0.5A DC:250V/0.1A;75V/0.5A
Remote alarm contact connecting wire	Max.1.5mm² or #16AWG
Operating temperature range	-40℃...+80℃
Fault indicator	Light-off(normal);Light-on(failure)
Cross-sectional area (min.)	4mm²solid/flexible
Cross-sectional area (max.)	25mm²flexible
For mounting on	35mm DIN rail
Enclosure material	Red thermoplastic,UL 94 V-0
Degree of protection	IP 20
Size	4 modules
Dimensions(mm)	**Diagram**



Side



Front



Diagram

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