

ELMARK[®]

The Brand of Electricity

COMBINED SURGE ARRESTERS TYPE 1 + 2



Description:

Combined surge arresters Type 1 + 2 are coordinated in advance. They can manage and prevent the high energy during a thunderbolt and to assure the better level of security of electricity of the electrical equipment.

Surge arresters Type 1 is used to catch the energy caused by higher electricity compared to the capacity of direct thunderbolt. The security device has passed a successful test according to the standards with electric wave 10/350 (class 1 test).

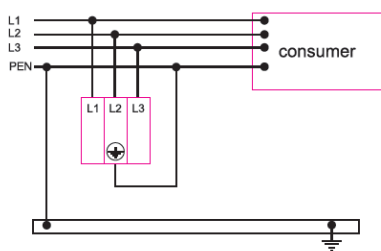
Surge arresters Type 2 is used to catch the energy caused by higher electricity, compared to the capacity of indirect strike or commutative overvoltage. The security device has passed a successful test according to the standards with electric wave 8/20 (class 2 test).

- Response time: <25 nS
- Voltage protection level: 1,5kV

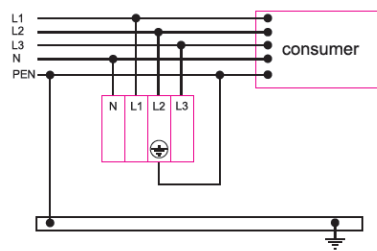
Variants

Type of arrester	Max impulse current Iimp (10/350µS)	Max discharge current Imax (8/20 µS)	Nominal line voltage Un (V)	Earthing system	Catalogue number
SPD-X/1P+N	12.5kA	50kA	230	TT, TN-S	64502
SPD-X/3P	12.5kA	50kA	230/400	TN-C	64503
SPD-X/3P+N	12.5kA	50kA	230/400	TT, TN-S	62504

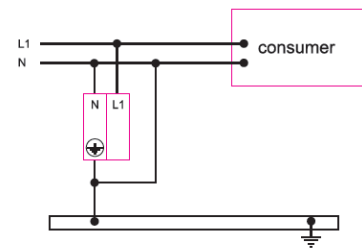
Three phase protection TN-C system



Three phase protection TN-S system



Monophase protection TT system



Standards

EN 61643-11

