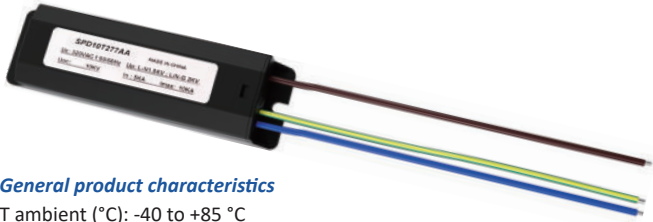


Product Specifications (Class I)

Model	Nominal input voltage (U_n) (Vac)	Max. Continuous Operating Voltage (U_c) (Vac)	Protection level Up (L-N) (kV)	Protection level Up (LN-GND) (kV)	Nominal surge current (I_n) (kA)	Maximum surge current I_{max} (kA)	Open circuit voltage (U_{oc}) (kV)	Response Time (ns)
SPD10-A	277	320	1.5	2	5	10	10	100
SPD20-A	277	320	1.5	2	10	20	20	100

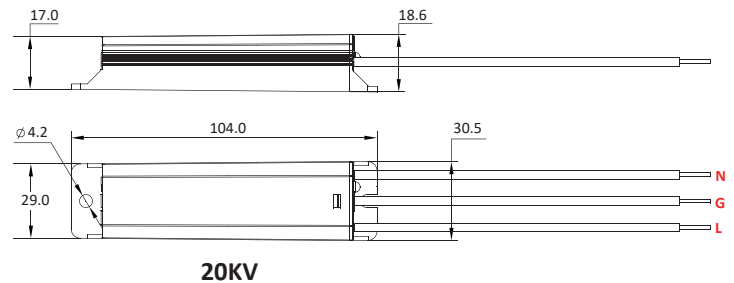
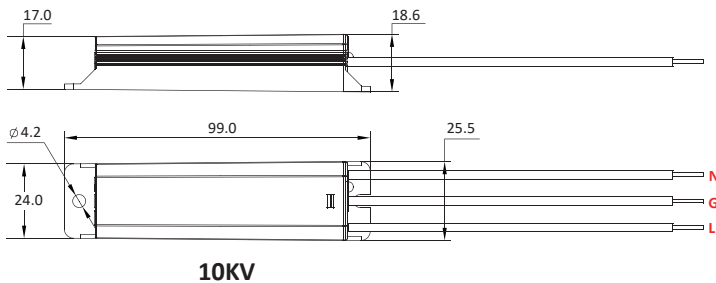
	Min. number of surges, nominal current	Insulation classification	Rating	Application
SPD10-A	100 strikes at 3kA 50 strikes at 5kA 1 strike at 10kA	Class I	IP20	Built-in use only
SPD20-A	100 strikes at 6kA 50 strikes at 10kA 1 strike at 20kA	Class I	IP20	Built-in use only



General product characteristics

T ambient (°C): -40 to +85 °C
Tcase life (°C): +85 °C

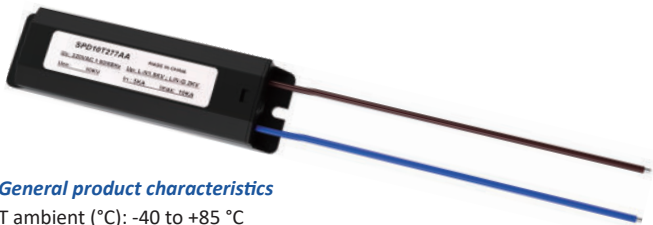
Dimension (mm)



Product Specifications (Class II)

Model	Nominal input voltage (U_n) (Vac)	Max. Continuous Operating Voltage (U_c) (Vac)	Protection level Up (L-N) (kV)	Protection level Up (LN-GND) (kV)	Nominal surge current (I_n) (kA)	Maximum surge current I_{max} (kA)	Open circuit voltage (U_{oc}) (kV)	Response Time (ns)
SPD10-B	277	320	1.5	\	5	10	10	100
SPD20-B	277	320	1.5	\	10	20	20	100

	Min. number of surges, nominal current	Insulation classification	Rating	Application
SPD10-B	100 strikes at 3kA 50 strikes at 5kA 1 strike at 10kA	Class II	IP20	Built-in use only
SPD20-B	100 strikes at 6kA 50 strikes at 10kA 1 strike at 20kA	Class II	IP20	Built-in use only



General product characteristics

T ambient (°C): -40 to +85 °C
Tcase life (°C): +85 °C

Dimension (mm)

