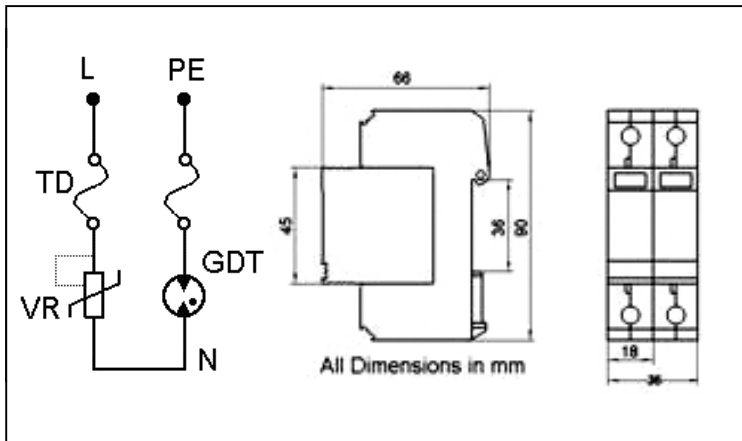


TYPE: EPT-DS25/30/40/60 V+T
**Single Phase (1 MOV & 1GDT Modules)
Surge Protection Devices**

Surge arrester for low-voltage power supply system protection against surges at the boundaries from lightning protection zone 0_B-1 and higher.



- Class II (C) arrester in according with IEC61643-1:2001.
- Two part design consisting of base and plug-in protection module.
- High energy MOV (Metal Oxide Varistor) and GDT (Gas Discharge Tube) hybrid unit inside.
- Reliable supervision due to disconnection device.
- Fault indication by red indication flag in window.
- Fast response.
- With remote alarm terminal optional.

Technical Data

Type		EPT- DS25/xxx-(V+T)-S									
		75	150	175	275	300	320	385	440	550	600
In accordance with		IEC61643-1:2001; EN61643-1 2002; UL1449 ed.2									
Category IEC/VDE		II/ C									
Max. continuous operating voltage (AC/DC)	L – N (AC/DC)	75 /100	150 /200	175 /225	275 /300	300 /385	320 /420	385 /505	440 /585	550 /745	600 /800
	N – PE U _c	65	150	150	255	255	255	255	350	440	440
Nominal discharge current(8/20) I _n	L–N	10KA	10KA	10KA	10KA	10KA	10KA	10KA	10KA	10KA	10KA
	N-PE	25KA	25KA	25KA	25KA	25KA	25KA	25KA	25KA	25KA	25KA
Max. discharge current(8/20) I _{max}	L-N	25/30/40/60KA									
	N - PE	30KA									
Voltage protection level	L-N@I _n	0.4KV	0.8KV	0.8KV	1.2KV	1.3KV	1.4KV	1.8KV	2.0KV	2.5KV	2.6KV
	L-N@3KA	0.25KV	0.5KV	0.6KV	0.9KV	1.0KV	1.1KV	1.3KV	1.5KV	2.0KV	2.1KV
	N-PE (1.2/50)	0.5KV	0.8KV	0.8KV	1.0KV	1.0KV	1.0KV	1.0KV	1.2KV	1.3KV	1.3KV
Response time	L-N	≤25 ns									
	N-PE	≤100 ns									
Follow current	L-N	No									
	N-PE	Yes									
Residual current at U _c	L-N	≤500 μ A									
	N-PE	No									
Backup fuse(only required if not already provided in mains)		100A gL/gG									
Operating temperature range		- 40° C ... + 80° C									
Cross-section of connection wire		Single-strand 35mm ² ; multi-strand 25mm ²									
Mounting		35mm DIN-rail in accordance with EN 50022/DIN46277-3									
Enclosure material		thermoplastic; extinguishing degree UL94 V-0									
Degree of protection		IP20									
Installation width		2 modules, DIN 43880									
Thermal disconnect		Internal green – normal red - failure									
Remote alarm contact		Optional									

