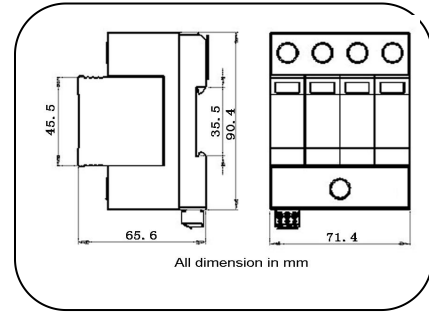


Basic circuit diagram



Dimension drawing

Type 2 AC surge arrester designed for low-voltage power supply system protection against surges at the boundaries from lightning protection zone 1-2 and higher.

- Comply with IEC 61643-11, apply to TT and TN systems (“3+1” circuit).
- Pluggable design, 4 poles, easy replaced with any tools.
- High Discharge Capacity with 8/20 us waveform, I_{max} 65kA
- Visual status indication and remote signal contact available.

Part No.	DT60/420-(3V+T)-S	
In accordance with	IEC61643-11:2011; UL1449-4th	
Category IEC/VDE	II/ C	
Max. continuous operating voltage (AC/DC) U _c	L – N(AC/DC)	420/560
	N – PE (AC)	255
Nominal discharge current(8/20) I _n	L–N	30kA
	N-PE	30kA
Max. discharge current(8/20) I _{max}	L-N	65kA
	N-PE	65kA
Voltage protection level U _p	L–N@I _n	<2.0kV
	L–N@VPR	<1.5kV
	N–PE (1.2/50)	<1.5KV
Response time	L-N	≤25 ns
	N-PE	≤100 ns
Follow current	L-N	No
	N-PE	I _{fi} : 100Arms @ 255Vac
Backup fuse(only required if not already provided in mains)	160A 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	4 modules, DIN 43880	
Thermal disconnecter	Internal green – normal ; red - failure	
Remote alarm contact	YES	
Approvals, Certifications	CE	
Additional data for Remote Alarm Contacts		
Remote alarm contact type	Isolated Form C	
Switching capability U _n /I _n	AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A	
Max. Size of connecting wire	Max. 1.5mm ² (or # 16AWG)	