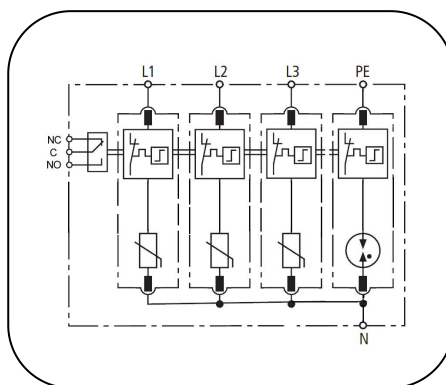
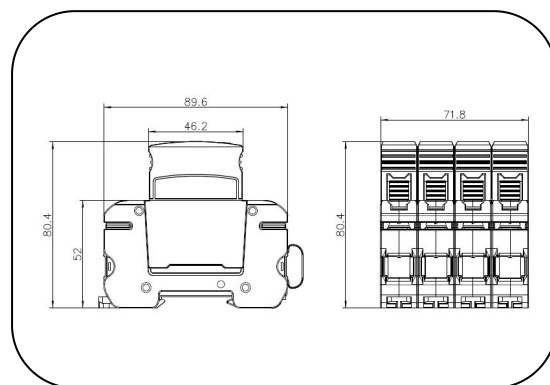


**SURGE ARRESTERS – CLASS II**

**DT80P/...-(3V+T)-(S)**



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, UL1449-4<sup>th</sup>, apply to TT and TN systems (“3+1” circuit).
- High Discharge Capacity with 8/20μs waveform, I<sub>max</sub> 80kA
- 18mm per pole, consist of pluggable module and base, easy maintenance
- Reliable supervision due to disconnection device
- Visual status indication and remote signal contact available.

Part No.		DT80P/320-(3V+T)-S
In accordance with		IEC61643-11:2011; UL1449-4th
Category IEC/VDE		II/ C
Max. continuous operating voltage (AC/DC) U <sub>c</sub>	L – (AC/DC)	320V/420V
	N – PE (AC)	255V
Nominal discharge current(8/20us) I <sub>n</sub>	L–N	40kA
	N-PE	40kA
Max. discharge current(8/20us) I <sub>max</sub>	L-N	80kA
	N-PE	80kA
Voltage protection level U <sub>p</sub>	L–N@ I <sub>n</sub>	<1.8kV
	N–PE	<1.5kV
	L-N	≤25 ns
Response time t <sub>A</sub>	N-PE	≤100 ns
	L-N	No
Follow current I <sub>f</sub>	N-PE	I <sub>fi</sub> : 100Arms @ 255Vac
	Backup fuse(only required if not already provided in mains)	
Operating temperature range		- 40°C ~ + 80°C
Cross-section of connection wire		Single-strand 35mm <sup>2</sup> ; multi-strand 25mm <sup>2</sup>
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		8 modules, DIN 43880
Thermal disconnecter		Internal red - failure
Remote alarm contact		Yes
Approvals, Certifications		CE
<b>Additional data for Remote Alarm Contacts</b>		
Remote alarm contact type		Isolated Form C
Switching capability U <sub>n</sub> /I <sub>n</sub>		AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A
Max. Size of connecting wire		Max. 1.5mm <sup>2</sup> (or # 16AWG)