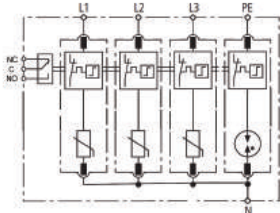


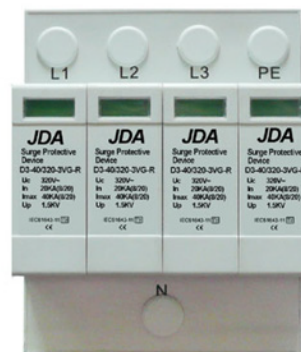
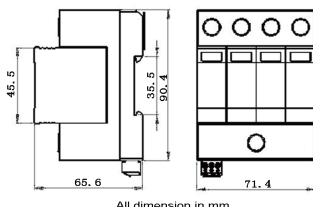


D3-50/320-3VG-R

Basic circuit diagram



Dimension drawing



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

- Pluggable design, I_{max} 50kA 8/20
- High reliability due to global patented thermally protected MOV and GDT with special arc-extinguish device
- ETL certified as per UL1449-3rd
- Short circuit current rating (SCCR) up to 100kArms as per UL1449-3rd

Type	D3-50/320-3VG-R	
In accordance with	320	
Category IEC/VDE	IEC61643-11:2011; UL1449 3rd	
Max. continuous operating voltage (AC/DC)	L-N	320/420
	N-PE	255
Nominal discharge current(8/20) I _n	L-N	20kA
	N-PE	20kA
Max. discharge current(8/20) I _{max}	L-N	50kA
	N-PE	50kA
Voltage protection level	VPR(L-N)	<1.2kV
	VPR(N-PE)	<1.8kV
Response time	L-N	≤25 ns
	N-PE	≤100 ns
Follow current	No	
	100Arms@U _c	
Backup fuse(only required if not already provided in mains)	125A 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	
Short circuit current rating (SCCR)	100kArms	
Additional data for Remote Alarm Contacts	Additional data for Remote Alarm Contacts	
Remote alarm contact type	Isolated Form C	
Switching capability Un/In	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)	

note: subject to change without any notice, JDA pay no responsibility