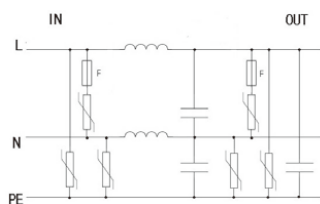




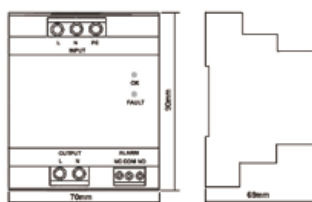
D3-50/420-3VG-R

Surge protective device especially for low-voltage power supply system surge protection at the boundaries from lightning protection zone 2-3 and higher.

Basic circuit diagram



Dimension drawing



Type	D3-50/420-3VG-R	
Nominal voltage (Un)	230V/400V	
In accordance with	IEC61643-11; UL1449 3rd	
Category IEC/VDE	II/ C	
Max. continuous operating voltage (Uc)	L – N(AC/DC)	420V/560V
	N–PE(AC)	255V
Nominal discharge current(8/20) In	L–N	20kA
	N-PE	20kA
Max. discharge current(8/20) Imax	L-N	50kA
	N-PE	50kA
Voltage protection level (VPR@3KA)	VPR(L-N)	<1.5kV
	VPR(N-PE)	<2.0kV
Response time	L-N	≤25 ns
	N-PE	≤100 ns
Follow current	L-N	No
	N-PE	100Arms@Uc
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	
SCCR rating	200kA	
Approvals, Certifications	ETL/CE	
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