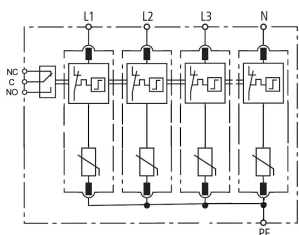


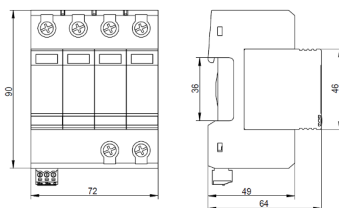


D3-50/420-4MV-R

Basic circuit diagram



Dimension drawing



Class II, Type 1CA surge protective device especially designed for low-voltage power supply system at the boundaries from lightning protection zone 1-2 and higher.

- According to IEC61643-11 and UL1449 4th
- Pluggable design with window fault indication
- Nominal discharge current I_n 20kA 8/20 per pole, max discharge current I_{max} 50kA 8/20 per pole
- High reliability due to global patented thermally protected MOV (TMOV) with special arc-extinguish device

| | | |
|---|--|-------|
| Part No. | D3-50/420-4MV-R | |
| Code | DZ009 | |
| In accordance with | IEC61643-11, UL1449-4th | |
| Category IEC/VDE | Class II/Type1CA | |
| Max. continuous operating voltage MCOV (VAC/VDC) | 420Vac | |
| Nominal discharge current(8/20) I_n | 20kA | |
| Max. discharge current(8/20) I_{max} | Per pole | 50kA |
| | Per phase | 100kA |
| Voltage protection level Up | <2.0kV | |
| Response time | ≤25 ns | |
| Follow current | No | |
| 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 | |
| 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) | |

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