



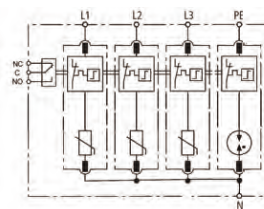
D3-40/385-3VG-R

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.

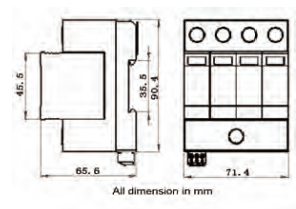
- Comply with IEC 61643-11, apply to TT and TN systems ("3+1" Circuit) Pluggable design, 4 poles, easy replaced without any tools.
- High Discharge Capacity with 8/20 us waveform, I_{max} 40kA
- Visual status indication and remote signal contact available.
- Applications-AC/DC Drives, LT Panels, MCC, PCC, CNC machines, PLC etc



Basic circuit diagram



Dimension drawing



| | | |
|---|--|------------------------------------|
| Part No. | D3-40/385-3VG-R | |
| In accordance with | IEC61643-11:2011; UL14494th | |
| Category IEC/VDE | II/ C | |
| Max. continuous operating voltage U _c | L – N(AC/DC) | 385/505 |
| | N – PE(AC) | 255 |
| Nominal discharge current(8/20) I _n | L–N | 20kA |
| | N-PE | 20kA |
| Max. discharge current(8/20) I _{max} | L-N | 40kA |
| | N-PE | 40kA |
| Voltage protection level U _p | L–N@I _n | <1.8kV |
| | L–N@VPR | <1.3kV |
| | 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) | 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 V0 | |
| Degree of protection | IP20 | |
| Installation width | 4 modules, DIN 43880 | |
| Thermal disconnecter | Internal green – normal ; red - failure | |
| Remote alarm contact | Yes | |
| Approvals, Certifications | CE | |
| Remote alarm contact type | Isolated Form C | |
| Switching capability Un/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