



DRF25-175-25A-3MV-C(-R)

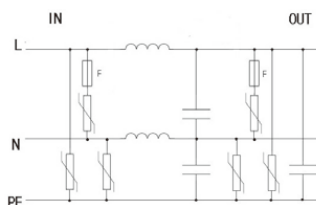
Surge protective device especially for low-voltage power supply system surge protection at the boundaries from lightning protection zone 2-3 and higher.

Technical Features

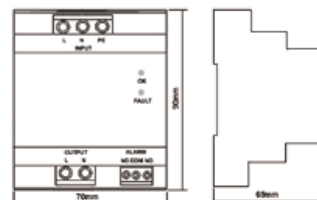
- Multi-stage protection circuit with LC Filter design to protect sensitive electronics.
- Provides extensive high frequency & RF filtering
- Application for 120~127Vac, 220~277Vac(L-N) TT, TN or any 1-phase system with a grounded neutral
- Protection capability 25kA 8/20 us
- Built in backup fuse for fault current protection
- All mode protection
- LED failure indication
- Remote alarm function available



Basic circuit diagram



Dimension drawing



| | | |
|--|--|--------|
| Part No. | DRF25/275-25A-3MV-C(-R) | |
| In accordance with | IEC61643-11:2011; UL14494th | |
| Category IEC/VDE | III / D | |
| Nominal Voltage Un | 100-127V 1φ2W | |
| Max. continuous operating voltage (AC) | 175V | |
| Current rating – Max.continuous | 25A | |
| Protection modes | Line-Neutral, Line-Earth, Neutral-Earth | |
| Nominal discharge current(8/20) I _n /mode | 10kA(L-N);3kA(L/N-PE) | |
| Max. discharge current(8/20) I _{max} /mode | 25kA(L-N);6kA(N-PE), 16kA (L-PE) | |
| Max. discharge current(8/20) I _{max} /phase | 31kA | |
| Voltage protection level(L-N) | @In | <0.8kV |
| | @VPR | <0.7kV |
| Temporary overvoltage- TOV | 195VAC/5s | |
| Filter attenuation | >45dB @ 1MHz | |
| Internal protection (fusing) | Thermal fusing on primary MOVs | |
| External disconnector requirements | 25A HRC fuse or MCB | |
| Environment | -10 to 60°C, 0 to 90%RH (non-condensing) | |
| Cross-section of connection wire | Single-strand 6mm ² ; multi-strand 4mm 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 | |
| Alarms/indicators | 2 part display, Power OK, Protection fault. | |
| Dimensions | 90mm (L) x 70mm (W) x 69mm (H) | |
| Additional data for Remote Alarm Contacts | | |
| Remote alarm contact type | Isolated Form C | |
| Switching capability | dry contact alarm relay – 125Vac1A;/30Vdc, 2A | |
| Max. Size of connecting wire | Max. 1.5mm ² (or # 16AWG) | |

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