

Surge protection device

Type 2, Direct Current

Specifications

| Designation | | DS220 12Vdc | DS220 24Vdc | DS230 48Vdc | DS240 75 V dc | DS240 110 Vdc |
|---------------------------|------|-------------|-------------|-------------|---------------|---------------|
| Part number | | P82012 | P82024 | P82048 | P82075 | P82110 |
| nominal voltageDC | Un | 12 Vdc | 24Vdc | 48Vdc | 75Vdc | 150Vdc |
| maximal voltage DC | Uc | 24Vdc | 38Vdc | 65Vdc | 100Vdc | 125Vdc |
| Nominal discharge current | In | 10kA | 10kA | 15kA | 20kA | 20kA |
| Maximal discharge current | Imax | 20kA | 20kA | 30kA | 40kA | 40kA |
| Protection level | Up | 250V | 250V | 300V | 390V | 500V |

Associated disconnectors

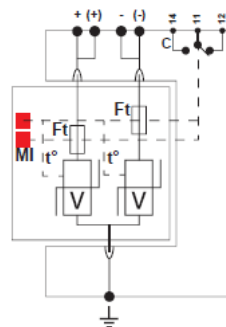
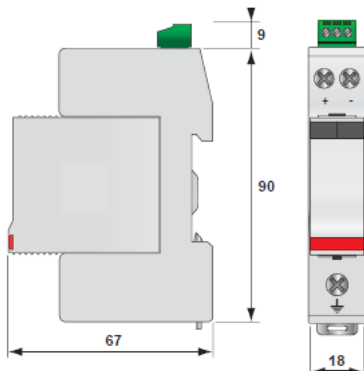
Thermal disconnector internal
 Protection Fuses (if required) Fuses type gG – 20 A (12 V cc à 48 V cc)
 Fuses type gG - 50A (75Vdc à 110Vdc).

Mechanical characteristics

Connection by screw 1.5 à 10 mm² maxi
 (active conductors)
 Disconnection indicator 2 mechanical indicators
 Mounting DIN rail 35mm
 Operating temperature -40°C /+85°C
 Ingress Protection IP20
 Plastic Thermoplastique UL94-V0

Standards compliance

CEI 61 643-1 international Low Voltage SPD - Test class II
 EN 61 643-11 Europe parafoudres basse tension – Essais classe II



V : High energy MOV
 MI : Disconnection indicator
 Ft : Thermal fuse
 t* : Thermal disconnection mechanism
 C : Contact for remote signaling

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