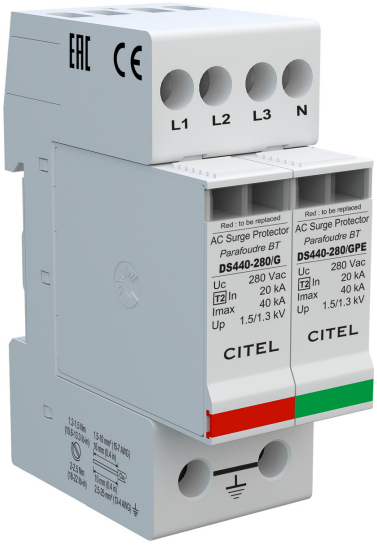
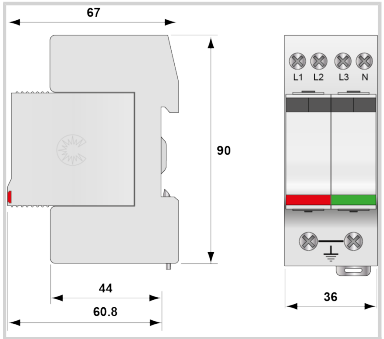
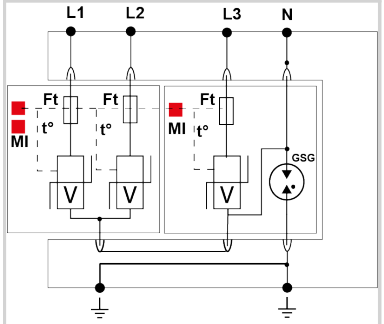
*Compact 3-phase+N Type 2 surge protector - 230/400 V - Pluggable*

# DS440-280/G




- Compact 3-Phase Type 2 surge protector
- In : 20 kA
- Imax : 40 kA
- Common/Differential mode
- Pluggable module
- Remode Signaling contact option
- EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance




**V: High-energy varistor**
**GSG: Specific Gas Tube**
**Ft: Thermal fuse**
**t°: Thermal disconnection system**
**MI: Disconnection indicator**

| | | |
|---|---|---|
| **Electrical Characteristics** | | |
| SPD type | IEC | 2 |
| Network | | 230/400V |
| AC system | | TT-TN |
| Nominal line voltage | Un | 230 Vac |
| Max. AC operating voltage | Uc | 280 Vac |
| Temporary Over Voltage (TOV) Characteristics - 5 sec.<br>*Without disconnection* | UT | 335 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics - 120 mn<br>*Without disconnection or with safety disconnection* | UT | 440 Vac disconnection |
| Temporary Over Voltage N/PE (TOV HT)<br>*Without disconnection or with safety disconnection* | UT | 1200 V/300A/200 ms withstand |
| Residual Current<br>*Leakage current to Ground* | Ipe | None |
| Follow current | If | None |
| Nominal discharge current<br>*15 x 8/20 µs impulses* | In | 20 kA |
| Max. discharge current<br>*max. withstand @ 8/20 µs by pole* | Imax | 40 kA |
| Total Maximum discharge current<br>*max. total withstand @ 8/20 µs* | Imax Total | 40 kA |
| Impulse current N/PE<br>*max. withstand 10/350µs* | Iimp N /PE | 12.5 kA |
| Connection mode(s) | | L/N and N/PE |
| Protection mode(s) | | Common/Differential mode |
| Residual voltage at 5 kA<br>*@ 5 kA (8/20µs)* | Up-5kA | 1.5/0.9 kV |
| Protection level N/PE<br>*@ In (8/20µs)* | Up N/PE | 1.5 kV |
| Protection level CM/DM<br>*@ In (8/20µs)* | Up mc /md | 1.5/1.3 kV |
| Admissible short-circuit current | Isccr | 10 000 A |
| **Mechanical Characteristics** | | |
| Technology | | MOV |
| SPD configuration | | 3-phase+Neutral |
| Connection to Network | | By screw terminals: 1.5-10mm² (L/N) or 2.5-25mm² (PE) |
| Format | | Plug-in modular box |
| Mounting | | Symmetrical rail 35 mm (EN 60715) |
| Housing material | | Thermoplastic UL94 V-0 |
| Operating temperature | Tu | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | Disconnection from AC network |
| Disconnection indicator | | 3 mechanical indicators |
| Spare module(s) | | DSM440-280/G and DSM440-280/GPE |
| Remote signaling of disconnection | | Option DS440S-280/G : output on changeover contact |
| Dimensions | | See diagram |
| **Disconnectors** | | |
| Thermal disconnector | | Internal |
| Installation ground fault breaker | | Type 'S' or delayed |
| Back-up protection device | | 50 A min. - 125 A max. - Fuses Type gG |
| **Standards** | | |
| Standards compliance | | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Certification | | |
| **Part number** | | |

# DS440-280/G

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|---|
| 311122 |