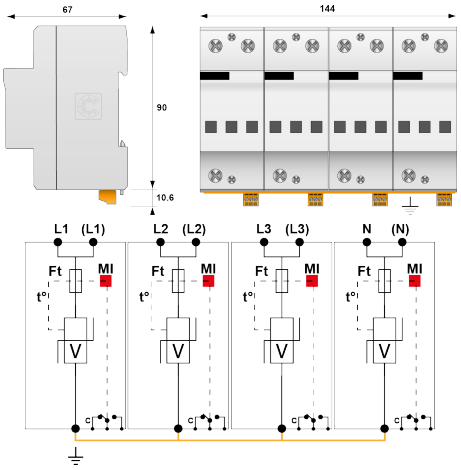


# DS254E-300

- Type 1 + 2 unipolar surge protector
- Iimp total: 100 kA on 10/350µs impulse
- Imax : 140 kA on 8/20µs impulse
- Internal disconnections, status indicators
- Remote signaling
- IEC 61643-11, EN 61643-11 and UL1449 ed.4 compliance

| Electrical Characteristics | | |
|---|---|---|
| SPD type<br>*following IEC test* | | 1+2 |
| Network | | 230/400 V 3-phase+N |
| AC system | | TNS |
| Nominal line voltage | *Un* | 230/400 Vac |
| Max. AC operating voltage L-N | *Uc* | 330 Vac |
| Max. load current | *IL* | 100 A |
| Temporary Over Voltage (TOV) Charasteristics - 5 sec.<br>*without disconnection* | *UT* | 335 Vac withstand |
| Temporary Over Voltage (TOV) Charasteristics - 120 mn<br>*without disconnection or with safety disconnection* | *UT* | 440 Vac disconnection |
| Residual Current<br>*Leakage current to Ground* | *Ipe* | < 8 mA |
| Operating current<br>*Continious current at Uc* | *Ic* | 2 mA |
| Follow current | *If* | None |
| Nominal discharge current<br>*15 x 8/20 µs impulses* | *In* | 70 kA |
| Max. discharge current<br>*max. withstand @ 8/20 µs by pole* | *Imax* | 140 kA |
| Impulse current by pole<br>*max. withstand 10/350µs by pole* | *Iimp* | 25 kA |
| Total lightning current<br>*max. total withstand @ 10/350µs* | *Itotal* | 100 kA |
| Admissible short-circuit current | *Isccr* | 50000 A |
| Connection mode(s) | | L/PE and N/PE |
| Protection mode(s) | | Common mode |
| Protection level L/PE<br>*@ In (8/20µs)* | *Up L/PE* | 2.5 kV |
| Specific energy by pole<br>*max. withstand 10/350 µs* | *W/R* | 156 kJ/ohm |
| Internal short circuit protection | | No |
| Internal Thermal protection | | Yes |




V: High-energy varistor
Ft: Thermal fuse
C: Remote signal contact
t°: Thermal disconnection system
MI: Disconnection indicator

| Mechanical Characteristics | | |
|---|---|---|
| Technology | | MOV |
| SPD configuration | | 3-phase+Neutral |
| Connection to Network | | By screw terminals : 6-35 mm² / by bus |
| Format | | 1-pole modular box assembled |
| Mounting | | Symmetrical rail 35 mm (EN60715) |
| Housing material | | Thermoplastic UL94-V0 |
| Operating temperature | | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe behavior | | Disconnection |
| Disconnection indicator | | 3 mechanical indicators by pole |
| Remote signaling of disconnection | | Output on changeover contact |
| Dimensions | | See diagram |
| **Disconnectors** | | |
| Thermal disconnector | | Internal |
| Installation ground fault breaker | | Type 'S' or delayed |
| Fuses | | Fuses type gG - 315 A |
| **Standards** | | |
| Standards compliance | | IEC 61643-11 / EN 61643-11 / UL1449 4ed. |
| Certification | | EAC |
| **Part Number** | | 3371 |