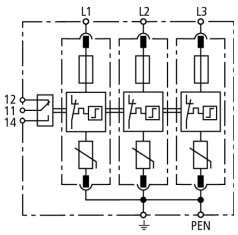
# Product Data Sheet: DEHNguard® modular with integrated Backup Fuse

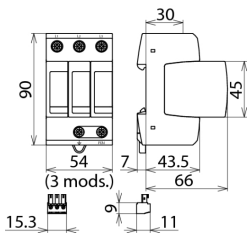
## DG M TNC CI 275 FM (952 309)

- Arrester backup fuse integrated in the protection module
- Prewired complete unit consisting of a base part and plug-in protection modules
- High reliability due to "Thermo Dynamic Control" SPD monitoring device

Figure without obligation




Basic circuit diagram DG M TNC CI 275 FM




Dimension drawing DG M TNC CI 275 FM

Modular surge arrester with integrated backup fuses for TN-C systems

| Type<br>Part No. | DG M TNC CI 275 FM<br>952 309 |
|---|---|
| SPD according to EN 61643-11 | Type 2 |
| SPD according to IEC 61643-1/-11 | Class II |
| Nominal a.c. voltage ($U_N$) | 230/400 V |
| Max. continuous operating a.c. voltage ($U_C$) | 275 V |
| Nominal discharge current (8/20 µs) ($I_n$) | 12.5 kA |
| Max. discharge current (8/20 µs) ($I_{max}$) | 25 kA |
| Voltage protection level ($U_P$) | ≤ 1.5 kV |
| Voltage protection level at 5 kA ($U_P$) | ≤ 1 kV |
| Response time ($t_A$) | ≤ 25 ns |
| Max. mains-side overcurrent protection | not required |
| Short-circuit withstand capability | 25 $kA_{rms}$ |
| Temporary overvoltage (TOV) ($U_T$) | 335 V / 5 sec. |
| TOV characteristic | withstand |
| Operating temperature range ($T_U$) | -40°C...+80°C |
| Operating state/fault indication | green / red |
| Number of ports | 1 |
| Cross-sectional area (min.) | 1.5 $mm^2$ solid/flexible |
| Cross-sectional area (max.) | 35 $mm^2$ stranded/25 $mm^2$ flexible |
| For mounting on | 35 mm DIN rails acc. to EN 60715 |
| Enclosure material | thermoplastic, red, UL 94 V-0 |
| Place of installation | indoor installation |
| Degree of protection | IP 20 |
| Capacity | 3 module(s), DIN 43880 |
| Approvals | KEMA, VDE |
| Type of remote signalling contact | changeover contact |
| a.c. switching capacity | 250 V/0.5 A |
| d.c. switching capacity | 250 V/0.1 A; 125 V/0.2 A; 75 V/0.5 A |
| Cross-sectional area for remote signalling terminals | max. 1.5 $mm^2$ solid/flexible |
| Weight | 382 g |
| Customs tariff number | 85363030 |
| GTIN | 4013364128378 |
| PU | 1 pc(s) |