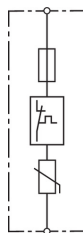


## V NH1 280 (900 270)

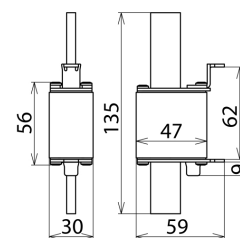
- Surge arrester for use in NH00 and NH1 fuse holders
- Zinc oxide varistor with monitoring device, disconnector and integrated backup fuse (VA NH with additional spark gap connected in series)
- Fault indication by tripping indicator



Figure without obligation



Basic circuit diagram V NH1 280



Dimension drawing V NH1 280

Surge arrester for use in NH1 fuse holders for TT and TN systems.

| Type<br>Part No.   | V NH1 280<br>900 270            |
|--|---------------------------------|
| SPD according to EN 61643-11 / IEC 61643-11                | type 2 / class II               |
| Energy coordination with terminal equipment ( $\leq 10$ m) | type 2 + type 3                 |
| Nominal voltage (a.c.) ( $U_N$ )                           | 230 V (50 / 60 Hz)              |
| Max. continuous operating voltage (a.c.) ( $U_C$ )         | 280 V (50 / 60 Hz)              |
| Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )         | 15 kA                           |
| Max. discharge current (8/20 $\mu$ s) ( $I_{max}$ )        | 30 kA                           |
| Voltage protection level ( $U_P$ )                         | $\leq 1.5$ kV                   |
| Voltage protection level at 5 kA ( $U_P$ )                 | $\leq 1.2$ kV                   |
| Response time ( $t_A$ )                                    | $\leq 25$ ns                    |
| Max. mains-side overcurrent protection                     | not required                    |
| Rated breaking capacity of the internal backup protection  | 25 kA                           |
| Short-circuit withstand capability ( $I_{SCCR}$ )          | 25 kA <sub>rms</sub>            |
| Temporary overvoltage (TOV) ( $U_T$ ) – Characteristic     | 335 V / 5 sec. – withstand      |
| Temporary overvoltage (TOV) ( $U_T$ ) – Characteristic     | 440 V / 120 min. – safe failure |
| Indication of the disconnector                             | red indicator                   |
| Number of ports  | 1                               |
| Operating temperature range ( $T_U$ )                      | -40 °C ... +80 °C               |
| For mounting on  | NH1 fuse holders                |
| Enclosure material   | thermoplastic, red, UL 94 V-0   |
| Place of installation                                      | indoor installation             |
| Degree of protection                                       | IPX4W                           |
| Weight   | 223 g                           |
| Customs tariff number (Comb. Nomenclature EU)              | 85363030                        |
| GTIN   | 4013364106703                   |
| PU   | 1 pc(s)                         |

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.