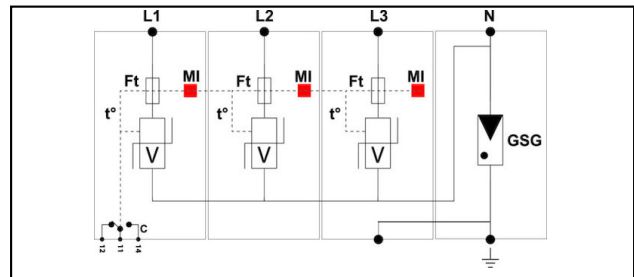
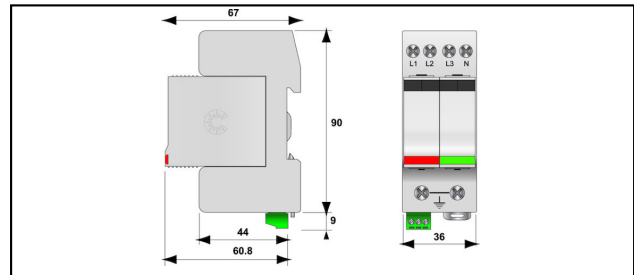
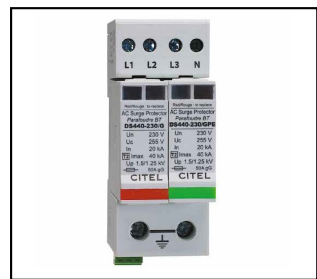


Surge protection (Type 2)

DS 440 S/G Surge protection



- Characteristics**
- surge protector type 2
  - $I_n = 20\text{kA}$ ;  $I_{\text{max}} = 40\text{kA}$
  - internal disconnection, status indicator
  - pluggable module
  - remote signaling

| Article-Nr. | E-Number    | Typ/Type |  | kA<br>$I_{\text{max}}$ | ns<br>$t_A$ | kV<br>$U_P$ | mm <sup>2</sup><br> | kA<br>$i_n$ |  |  |
|-------------|-------------|----------|-------------------------------------------------------------------------------------|------------------------|-------------|-------------|----------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 296.061.512 | 808 418 000 | T2       | 3+1                                                                                 | 40                     | 0           | 1.25        | 1.5 - 10                                                                                                 | 80          | Yes                                                                                   | 1                                                                                     |

## Technical Specifications: Surge protection DS 440 S/G

|                                                            |                                      |
|------------------------------------------------------------|--------------------------------------|
| Article No.                                                | 296.061.512                          |
| SPD type                                                   | T2                                   |
| Number of poles                                            | 3+1                                  |
| max. discharge current (I <sub>max</sub> )                 | 40 kA                                |
| Nominal line voltage U <sub>n</sub> AC                     | 230 V                                |
| Continuous voltage AC max.                                 | 275 V                                |
| Nominal frequency [fn]                                     | 50 - 60 Hz                           |
| Discharge current max. (8/20) $\mu$ s [I <sub>max</sub> ]  | 40 kA                                |
| Nominal discharge surge current (8/20)                     | 80 kA                                |
| Voltage protection level [U <sub>p</sub> ]                 | 1.25 kV                              |
| Protection level max. (at 5kA)                             | 0.9 kV                               |
| Follow current [I <sub>F</sub> ]                           | 0 kA                                 |
| follow current extinguishing capability [I <sub>fi</sub> ] | Unendlich                            |
| Response time [t <sub>a</sub> ]                            | 0                                    |
| TOV-voltage L-N [UT]                                       | 335 V / 5 sec.                       |
| TOV-voltage N-PE [UT]                                      | 1200 V / 300A / 200ms fest           |
| Short circuit resistance (I <sub>cw</sub> )                | 10 kA                                |
| Fault indication                                           | Mechanisch, Rot                      |
| Temperature range                                          | -40 - 85 °C                          |
| Degree of protection                                       | IP20                                 |
| Fuse max. (gG)                                             | 125 A                                |
| Mounting on                                                | Hutschiene 35 mm                     |
| Signaling on the device                                    | Optic                                |
| Signaling contact                                          | Yes                                  |
| Connection cross section solid / stranded max.             | 1.5 mm <sup>2</sup>                  |
| Switching capacity signaling contact                       | 250 V / 0,5 A (AC) - 30 V / 2 A (DC) |
| Construction size                                          | 2 modular spacing                    |
| Integrated backup fuse                                     | No                                   |
| Nominal cross section conductor                            | 1.5 - 10 mm <sup>2</sup>             |
| Discharge current max. [I <sub>max</sub> ]                 | 100 kA                               |
| Nominal discharge current [I <sub>n</sub> ]                | 20/Pol                               |
| Type of poles                                              | 4                                    |
| With remote signalling contact                             | Yes                                  |
| Mounting method                                            | DIN rail (top hat rail) 35 mm        |
| Category type 2                                            | Yes                                  |
| Degree of protection (IP)                                  | IP20                                 |
| Standards                                                  |                                      |
| Homologation                                               | VDE, ÖVE, UL                         |
| Test standards International                               | UL 1449 ed.3                         |
| Test standards USA                                         | IEC 61643-11                         |
| Test standards Europe                                      | EN 61643-11                          |
| Commercial specification                                   |                                      |
| Customs number                                             | 85363000                             |
| country of origin                                          | undefined                            |

