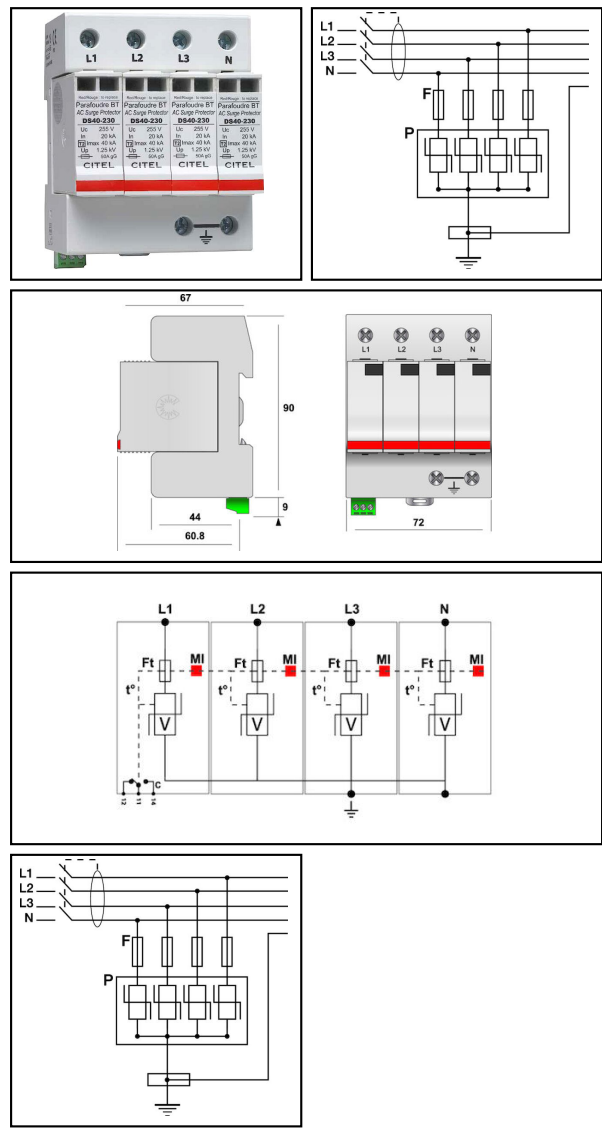


Surge protection (Type 2)

DS 40 S Surge Protector



- 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> | kA<br>$i_n$ |     | VE<br>Emb. |
|-------------|-------------|----------|---|------------------------|-------------|-------------|-----------------|-------------|-----|------------|
| 296.044.011 | 808 411 020 | T2       | 1 | 40                     | 0           | 1.25        | 0 - 42          | 20          | Yes | 1          |

| Accessories                                                                                                                            |             |     |          |  |  |  |  |  |         |            |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------|-----|----------|--|--|--|--|--|---------|------------|
| <div>  <b>Replacement module 296.044.000</b> </div> |             |     |          |  |  |  |  |  |         |            |
| Article-Nr.                                                                                                                            | E-Number    |     | Typ/Type |  |  |  |  |  |         | VE<br>Emb. |
| 296.044.000                                                                                                                            | 808 411 030 | TPE | T2       |  |  |  |  |  | DS 40 S | 1          |

| Accessories                                                                                                                            |             |     |          |  |  |  |  |  |           |            |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------|-----|----------|--|--|--|--|--|-----------|------------|
| <div>  <b>Replacement module 296.144.000</b> </div> |             |     |          |  |  |  |  |  |           |            |
| Article-Nr.                                                                                                                            | E-Number    |     | Typ/Type |  |  |  |  |  |           | VE<br>Emb. |
| 296.144.000                                                                                                                            | 808 411 040 | TPE | T2       |  |  |  |  |  | DS 40 S/G | 1          |



## Technical Specifications: Surge Protector DS 40 S

|                                                           |                                      |
|-----------------------------------------------------------|--------------------------------------|
| Article No.                                               | 296.044.011                          |
| Construction size                                         | 1 modular spacing                    |
| SPD type                                                  | T2                                   |
| Number of poles                                           | 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)                    | 20 kA                                |
| Voltage protection level [Up]                             | 1.25 kV                              |
| Protection level max. (at 5kA)                            | 0.9 kV                               |
| Follow current [IF]                                       | 0 kA                                 |
| follow current extinguishing capability [Ifi]             | unendlich                            |
| Response time [ta]                                        | 0                                    |
| TOV-voltage L-N [UT]                                      | 440 Vac                              |
| Short circuit resistance (I <sub>cw</sub> )               | 25 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) |
| System configuration                                      | TN                                   |
| Short-circuit-proof                                       | Yes                                  |
| Nominal cross section conductor                           | 0 - 42 mm <sup>2</sup>               |
| Category type 2                                           | Yes                                  |
| Mounting method                                           | DIN rail (top hat rail) 35 mm        |
| With remote signalling contact                            | Yes                                  |
| Nominal discharge current [In]                            | 20/Pol                               |
| Integrated backup fuse                                    | No                                   |
| Voltage protection level L-N [Up]                         | 1.25 kV                              |
| Degree of protection (IP)                                 | IP20                                 |
| Standards                                                 |                                      |
| Homologation                                              | VDE, ÖVE, UL                         |
| Test standards International                              | IEC 61643-11                         |
| Test standards USA                                        | UL 1449 ed.3                         |
| Test standards Europe                                     | EN 61643-11                          |
| Commercial specification                                  |                                      |
| Customs number                                            | 85363000                             |
| country of origin                                         | undefined                            |
| Logistic specification                                    |                                      |
| VPE Weight                                                | 0.12 kg                              |

