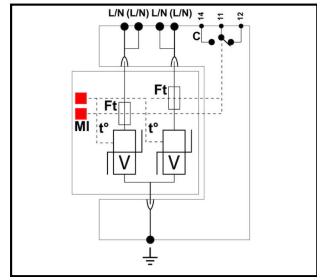
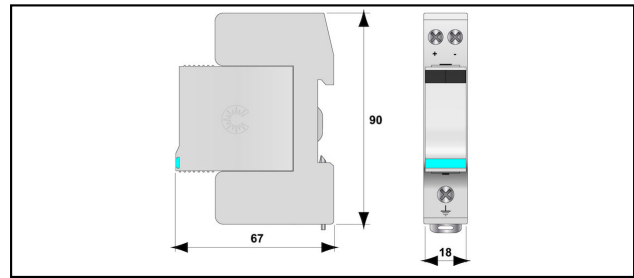


Surge protection (Type 3)

DS 215 Overvoltage protection T3



- Characteristics**
- surge protector type 3
  - $I_n = 5\text{kA}$ ;  $I_{\text{max}} = 15\text{kA}$
  - 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>$i_n$ |  |
|-------------|-------------|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------|-------------|-------------|-----------------|-------------|---------------------------------------------------------------------------------------|
| 296.045.714 | 808 406 800 | T3       | 2                                                                                   | Yes                                                                                 | 15                     | ≤20         | 0.9         | 1.5 - 10        | 5           | 1                                                                                     |

Technical Specifications: **Overvoltage protection T3 DS 215**

|                                                                          |                                      |
|--------------------------------------------------------------------------|--------------------------------------|
|                                                                          | 296.045.714                          |
| <b>SPD type</b>                                                          | T3                                   |
| <b>Number of poles</b>                                                   | 2                                    |
| <b>max. discharge current (I<sub>max</sub>)</b>                          | 15 kA                                |
| <b>Nominal line voltage Un AC</b>                                        | 230 V                                |
| <b>Continuous voltage AC max.</b>                                        | 250 V                                |
| <b>Nominal frequency [fn]</b>                                            | 50 - 60 Hz                           |
| <b>Discharge current max. (8/20) <math>\mu</math>s [I<sub>max</sub>]</b> | 15 kA                                |
| <b>Nominal discharge surge current (8/20)</b>                            | 5 kA                                 |
| <b>Combined shock [Uoc]</b>                                              | 10 kV                                |
| <b>Voltage protection level [Up]</b>                                     | 0.9 kV                               |
| <b>Operating current [Ic]</b>                                            | 0 kA                                 |
| <b>Follow current [IF]</b>                                               | 0 kA                                 |
| <b>follow current extinguishing capability [Ifi]</b>                     | unendlich kA eff                     |
| <b>Response time [ta]</b>                                                | ≤20 ns                               |
| <b>TOV-voltage L-N [UT]</b>                                              | 250 V / 5 sec.                       |
| <b>TOV-voltage N-PE [UT]</b>                                             | 1200 V / 300 A / 200ms fest          |
| <b>Short circuit resistance (I<sub>cw</sub>)</b>                         | 10 kA                                |
| <b>Fault indication</b>                                                  | Mechanisch, Rot                      |
| <b>Temperature range</b>                                                 | -40 - 85 °C                          |
| <b>Degree of protection</b>                                              | IP20                                 |
| <b>Fuse max. (gG)</b>                                                    | 40 A                                 |
| <b>Mounting on</b>                                                       | Hutschiene 35 mm                     |
| <b>Signaling on the device</b>                                           | Optic                                |
| <b>Signaling contact</b>                                                 | Yes                                  |
| <b>Connection cross section solid / stranded max.</b>                    | 1.5 mm <sup>2</sup>                  |
| <b>Switching capacity signaling contact</b>                              | 250 V / 0,5 A (AC) - 30 V / 2 A (DC) |
| <b>Nominal discharge surge current (8/20) (L-N)</b>                      | 5 kA                                 |
| <b>With interference suppressor filter</b>                               | No                                   |
| <b>Nominal cross section conductor</b>                                   | 1.5 - 10 mm <sup>2</sup>             |
| <b>Discharge current max. [I<sub>max</sub>]</b>                          | 30 kA                                |
| <b>Total discharge current (8/20) (L N-PE)</b>                           | 15 kA                                |
| <b>Mounting method</b>                                                   | DIN rail (top hat rail) 35 mm        |
| <b>Category type 3</b>                                                   | Yes                                  |
| <b>Nominal discharge current [In]</b>                                    | 5/Pol                                |
| <b>With remote signalling contact</b>                                    | Yes                                  |
| <b>Voltage protection level L-N [Up]</b>                                 | 1.5 kV                               |
| <b>Degree of protection (IP)</b>                                         | IP20                                 |
| <b>Construction size</b>                                                 | 1 modular spacing                    |
| <b>Standards</b>                                                         |                                      |
| <b>Homologation</b>                                                      | VDE, ÖVE, UL                         |
| <b>Test standards International</b>                                      | IEC 61643-11                         |
| <b>Test standards USA</b>                                                | UL 1449 ed.3                         |
| <b>Test standards Europe</b>                                             | EN 61643-11                          |
| <b>Commercial specification</b>                                          |                                      |
| <b>Customs number</b>                                                    | 85363000                             |
| <b>country of origin</b>                                                 | undefined                            |
| <b>Logistic specification</b>                                            |                                      |
| <b>VPE Weight</b>                                                        | 0.126 kg                             |