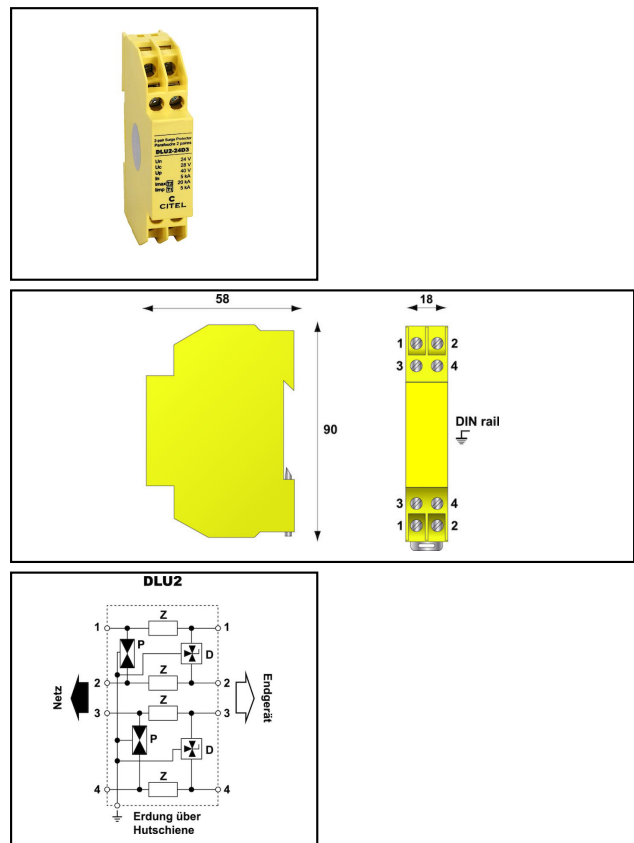


Informatics, Telecommunication

DLU 2 Surge protection DLU-06D3



**Characteristics**  
Designed to protect, against surge voltages due to lightning, telecom lines. Based on gas-tube tecnology with fast switching diodes.

| Article-Nr. | E-Number    |  | <div>V</div> <div>U<sub>N</sub></div> | <div>ns</div> <div>t<sub>A</sub></div> | <div>kV</div> <div>U<sub>P</sub></div> | <div>kA</div> <div>I<sub>max</sub></div> | <div>mm²</div>  |  |  |  <div>VE<br/>Emb.</div> |
|-------------|-------------|-------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------|----------------------------------------|------------------------------------------|------------------------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------------------------------|
| 296.074.262 | 970 508 003 | 4                                                                                   | 12                                    | ≤1                                     | 0.02                                   | 20                                       | 0.75 - 1.5                                                                                           |  |  | 1                                                                                                            |
| 296.074.264 | 970 509 003 | 4                                                                                   | 24                                    | ≤11                                    | 0.04                                   | 20                                       | 0.75 - 1.5                                                                                           |  |  | 1                                                                                                            |
| 296.074.266 | 970 531 003 | 4                                                                                   | 48                                    | ≤1                                     | 0.07                                   | 20                                       | 0.75 - 1.5                                                                                           |  |  | 1                                                                                                            |

Technical Specifications: Surge protection DLU-06D3 DLU 2

|                                                |                               |                            |                                                   |
|------------------------------------------------|-------------------------------|----------------------------|---------------------------------------------------|
|                                                | 296.074.262                   | 296.074.264                | 296.074.266                                       |
| Nominal voltage Un                             | 12 V                          | 24 V                       | 48 V                                              |
| Number of wires                                | 4                             |                            |                                                   |
| Operating voltage max. [UcDC]                  | 15 V                          |                            | 53 V                                              |
| Nominal line voltage Un AC                     | 12 V                          | 24 V                       | 48 V                                              |
| Nominal line voltage Un DC                     | 12 V                          | 24 V                       | 48 V                                              |
| Continuous voltage AC max.                     | 10 V                          | 20 V                       | 37 V                                              |
| Continuous voltage DC max.                     | 15 V                          | 28 V                       | 53 V                                              |
| Applications with interface                    | RS232 RS485                   | 4-20 mA Stromschleife 24 V | 48 V Analoges Telefon ADSL<br>RNIS-T0 Profibus PA |
| Nominal discharge surge current (8/20)         | 5 kA                          |                            |                                                   |
| Nominal load current                           | 0.3 A                         |                            |                                                   |
| Voltage protection level [Up]                  | 0.02 kV                       | 0.04 kV                    | 0.07 kV                                           |
| Response time [ta]                             | ≤1 ns                         | ≤11 ns                     | ≤1 ns                                             |
| Fault indication                               | Kurzschluss                   |                            |                                                   |
| Temperature range                              | -40 - 85 °C                   |                            |                                                   |
| Degree of protection                           | IP20                          |                            |                                                   |
| Dimensions                                     | Siehe Massbild                |                            |                                                   |
| Signaling on the device                        | None                          |                            |                                                   |
| Connection cross section solid / stranded max. | 1.5 mm²                       |                            |                                                   |
| Nominal cross section conductor                | 0.75 - 1.5 mm²                |                            |                                                   |
| Signal nominal load current                    | 0.3 A                         |                            |                                                   |
| Nominal discharge current [In]                 | 5                             |                            |                                                   |
| Discharge current max. [Imax]                  | 20 kA                         |                            |                                                   |
| Connector (information technology)             | Clamp                         |                            |                                                   |
| Mounting method                                | DIN rail (top hat rail) 35 mm |                            |                                                   |
| With remote signalling contact                 | No                            |                            |                                                   |
| Signal - maximum continuous voltage AC         | 10 V                          |                            | 37 V                                              |
| Standards                                      |                               |                            |                                                   |
| Homologation                                   | UL                            |                            |                                                   |
| Test standards International                   | IEC 61643-21                  |                            |                                                   |
| Test standards USA                             | UL 1449 ed.3                  |                            |                                                   |
| Commercial specification                       |                               |                            |                                                   |
| Customs number                                 | 85363000                      |                            |                                                   |
| country of origin                              | undefined                     |                            |                                                   |
| Logistic specification                         |                               |                            |                                                   |
| VPE Weight                                     |                               | 0.078 kg                   | 0.079 kg                                          |

