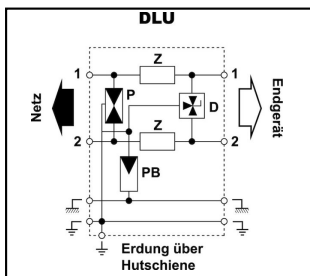
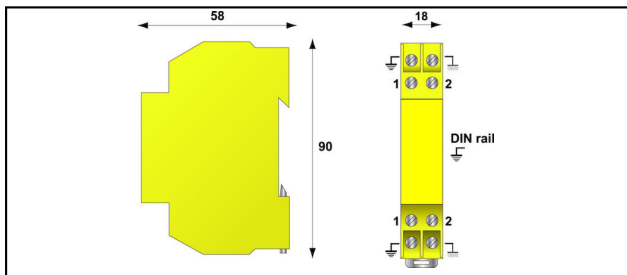





Informatics, Telecommunication

DLU Surge protection DLU-06D3



Characteristics

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

| Article-Nr. | E-Number |  | v U_N | ns t_A | kV U_P | kA I_{max} | mm ²  | | |  |
|-------------|-------------|---|------------|-------------|-------------|-----------------|--|--|--|---|
| 296.074.230 | 970 500 003 | 2 | 6 | ≤1 | 0.02 | 20 | 0.75 - 1.5 | | | 1 |
| 296.074.232 | 970 501 003 | 2 | 12 | ≤1 | 0.03 | 20 | 0.75 - 1.5 | | | 1 |
| 296.074.234 | 970 502 003 | 2 | 24 | ≤1 | 0.04 | 20 | 0.75 - 1.5 | | | 1 |
| 296.074.236 | 970 503 003 | 2 | 48 | ≤1 | 0.07 | 20 | 0.75 - 1.5 | | | 1 |
| 296.074.238 | 970 504 003 | 2 | 150 | ≤1 | 0.07 | 20 | 0.75 - 1.5 | | | 1 |

Technical Specifications: Surge protection DLU-06D3 DLU

| | 296.074.230 | 296.074.232 | 296.074.234 | 296.074.236 |
|--|-------------------------------|---|-------------|-------------------------------|
| Nominal voltage Un | 6 V | 12 V | 24 V | 48 V |
| Nominal voltage Un | | 12 kV | | |
| Operating voltage max. [UcDC] | 10 V | | | |
| Nominal line voltage Un AC | 6 V | 12 V | 24 V | 48 V |
| Nominal line voltage Un DC | 6 V | 12 V | 24 V | 48 V |
| Continuous voltage AC max. | 7 V | 10 V | 20 V | 37 V |
| Signal critical frequency | 3 MHz | | | 3 MHz |
| Continuous voltage DC max. | 10 V | 15 V | 28 V | 53 V |
| Nominal load current | 0.3 A | | | |
| Voltage protection level [Up] | 0.02 kV | 0.03 kV | 0.04 kV | 0.07 kV |
| Response time [ta] | ≤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 mm ² | | | |
| Nominal cross section conductor | 0.75 - 1.5 mm ² | | | |
| Signal nominal load current | 0.3 A | | | |
| Signal - maximum continuous voltage AC | 10 V | | | 37 V |
| 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 | | | |
| Number of wires | 2 | | | |
| Applications with interface | RS485 RS422 | Profibus- FMS Interbus Fieldbus- H1 Batibus LON | | 48 V Analoges Telefon ADSL |
| Standards | | | | |
| Homologation | UL | | | |
| Test standards International | IEC 61643-21 | | | |
| Test standards USA | UL497A&B | | | |
| Commercial specification | | | | |
| Customs number | 85363000 | | | |
| country of origin | ZA* | CE* | ZA* | |
| Logistic specification | | | | |
| VPE Weight | | 0.075 kg | 0.077 kg | |

| | |
|--|-------------------------------|
| | 296.074.238 |
| Nominal voltage Un | 150 V |
| Nominal voltage Un | |
| Operating voltage max. [UcDC] | 170 V |
| Nominal line voltage Un AC | 150 V |
| Nominal line voltage Un DC | 150 V |
| Continuous voltage AC max. | 121 V |
| Signal critical frequency | 10 MHz |
| Continuous voltage DC max. | 170 V |
| Nominal load current | 0.3 A |
| Voltage protection level [Up] | 0.07 kV |
| Response time [ta] | ≤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 mm ² |
| Nominal cross section conductor | 0.75 - 1.5 mm ² |
| Signal nominal load current | 0.3 A |
| Signal - maximum continuous voltage AC | 121 V |
| 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 |
| Number of wires | 2 |
| Applications with interface | ISDN |
| Standards | |
| Homologation | UL |
| Test standards International | IEC 61643-21 |
| Test standards USA | UL497A&B |
| Commercial specification | |
| Customs number | 85363000 |
| country of origin | ZA* |
| Logistic specification | |
| VPE Weight | 0.075 kg |