

PRODUCT DATA SHEET

Surge Protective devices

SPDs for telecom and signaling

Code: 6802600-70

Description: SPD DataTron LAN 6, code 6802600-70

Description

Surge protective device suitable for protection of up to 4 pairs of UTP, STP, FTP cables with terminal connector RJ45, which are used in CAT 6 LAN networks with up to 250 MHz signal frequency. It is providing primary protection against direct lightning strikes (10/350 μ s) on the telecommunication overhead network or on the structure it is installed. Additionally it is providing protection against induced surges (8/20 μ s) generated by the electromagnetic field, which is created by a nearby lightning strike. It is providing protection between the pair and earth (common mode) and also between the poles of the pair (differential mode). The surge protective devices are generally placed at each end of the line and as possible as close to the device to be protected.



Technical characteristics

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| Protection type EN / IEC 61643-21 | C1, C2, C3, D1 |
| Number of poles | 1 |
| Number of protected pairs | 4 (8 cables) |
| Input / output connector's type | RJ 45 |
| Maximum operating voltage, U_c | 48 V |
| Maximum operating current, I_L | 1 A |
| Maximum signal frequency, F | 250 MHz |
| I_n , D1 test, (10/350 μ s), L-GND | 1 kA |
| I_n , C2 test, (8/20 μ s), L-GND | 10 kA |
| U_p , C3 (at 1 kV), L-L | < 150 V |
| U_p , C3 (at 1 kV), L-GND | < 550 V |
| Main circuit | GDT + TVS |
| Response time, t_A | 1 ns |
| Connection to network | In line |

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| Dimensions WxHxD (mm) | 19x75x45,5 mm |
| Housing material | Metal |
| Protection level of housing | IP20 |
| Operating temperature | -40 oC ÷ +80 oC |
| Relative humidity | 5% ÷ 95% |
| Rail mounting | DIN-3 (TS-35/EN50022) |
| Certification | CE |
| Conformity with | LVD 2014/35/EU |
| Installation only by qualified electrician | IEC 60417-6182 |
| ELEMKO management systems | ISO 9001, ISO 14001, ISO 45001 |