

PRODUCT DATA SHEET

Surge Protective devices

SPDs for telecom and signaling

Code: 6807012-70

Description: SPD DataTron LT 12, code 6807012-70

Description

Surge protective device, suitable for the protection of electrical and electronic equipment, operating at low voltage digital and analogue signals. It is providing protection to 1 cable pair, against external transients and surges caused by induction and switching overvoltages. Especially designed to be installed in switchboards and control panels with limited space and where a numerous of incoming and outgoing cables are connected, such as interfaces RS 485 and RS 422. Quick and easy installation by clipping on DIN rail.



Technical characteristics

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| Protection type EN / IEC 61643-21 | C1, C2, C3 |
| Number of poles | 2 + GND |
| Number of protected pairs | 1 |
| Connection between terminals | L1-GND, L2-GND |
| Maximum operating voltage, U_c | 15 V |
| Maximum operating current, I_L | 10 A |
| Maximum signal frequency, F | 1 MHz |
| Series line resistance (input - output), R | 0,1 Ohm |
| Line capacitance (input - output), C | 3 nF |
| I_n , C1 test, (8/20 μ s), 2P / 1P | 1 kA / 0,5 kA |
| U_p , (at I_n), L-GND | < 39 V |
| U_p , C3 (at 1 kV), L-GND | < 19 V |
| Main circuit | TVS diode |
| Response time, t_A | 1 ns |
| Connection to network | In line |
| Dimensions WxHxD (mm) | 6x68x61,3 mm |

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| Maximum conductor for terminal | 0,75 - 4 mm ² |
| Conductor terminals tightening torque | 0,4 Nm |
| Housing material | Thermoplastic V-0 |
| Protection level of housing | IP20 |
| Operating temperature | -40 °C ÷ +80 °C |
| 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 |