

PRODUCT DATA SHEET

Surge Protective devices

SPDs for telecom and signaling

Code: 6844127-70

Description: SPD DataTron PR 4-48, code 6844127-70

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 up to 2 cable pairs, against external transients and surges caused by lightning, 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. It is consisted of a plug-in protection module and a base. The signal pass through the base in order to operate uninterruptible even with the module removed. The plug-in protection module can be replaced in no time with no need to cut-off the signal.



Technical characteristics

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| Protection type EN / IEC 61643-21 | C1, C2, C3, D1 |
| Number of poles | 4 + GND |
| Number of protected pairs | 2 |
| Connection between terminals | L1-L2, L1-GND, L2-GND, L3-L4, L3-GND, L4-GND |
| Maximum operating voltage, U_c | 52 V |
| Maximum operating current, I_L | 1 A |
| Maximum signal frequency, F | 30 MHz |
| Series line resistance (input - output), R | 2 Ohms |
| Line capacitance (input - output), C | 50 pF |
| I_{imp} , D1 test, (10/350 μ s), 2P / 1P | 2,5 kA / 1,25 kA |
| I_{imp} , D1 test, (10/350 μ s), 4P | 5 kA |
| I_n , C2 test, (8/20 μ s), 2P / 1P | 20 kA / 10 kA |
| U_p , (at 5 kA), L-L & L-GND | < 140 V |

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| Up, C3 (at 1 kV), L-L & L-GND | < 69 V |
| Main circuit | GDT + TVS diode |
| Response time, tA | 1 ns |
| Connection to network | In line |
| Dimensions WxHxD (mm) | 12x95x84,5 mm |
| Maximum conductor for terminal | 0,75 – 4 mm ² |
| Conductor terminals tightening torque | 1 Nm |
| Housing material | Thermoplastic V-0 |
| 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 |