PRODUCT DATA SHEET

Surge Protective devices

SPDs for telecom and signaling

Code: 6807005-70
Description: SPD DataTron LT 5, code 6807005-70

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 outcoming cables are connected, such as interfaces RS 485 and RS 422. Quick and easy installation by clipping on DIN rail.



Technical characteristics

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, Uc	6 V
Maximum operating current, IL	10 A
Maximum signal frequency, F	0,5 MHz
Series line resistance (input – output), R	0,1 Ohm
Line capacitance (input – output), C	7 nF
In, C1 test, (8/20μs), 2P / 1P	1 kA / 0,5 kA
Up, (at In), L-GND	20 V
Up, C3 (at 1 kV), L-GND	10 V
Main circuit	TVS diode
Response time, tA	1 ns
Connection to network	In line

Dimensions WxHxD (mm)	6x68x61,3 mm
Maximum conductor for terminal	0,75 – 4 mm2
Conductor terminals tightening torque	0,4 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

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