

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 outgoing 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, U_c	6 V
Maximum operating current, I_L	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
I_n , C1 test, (8/20 μ s), 2P / 1P	1 kA / 0,5 kA
U_p , (at I_n), L-GND	< 20 V
U_p , C3 (at 1 kV), L-GND	< 10 V
Main circuit	TVS diode
Response time, t_A	1 ns
Connection to network	In line
Dimensions WxHxD (mm)	6x68x61,3 mm

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