

# PRODUCT DATA SHEET

## Surge Protective devices

### SPDs for telecom and signaling

**Code: 6807060-70**

**Description: SPD DataTron LT 60, code 6807060-70**

#### 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, $U_c$	64 V
Maximum operating current, $I_L$	10 A
Maximum signal frequency, $F$	3 MHz
Series line resistance (input - output), $R$	0,1 Ohm
Line capacitance (input - output), $C$	1 nF
$I_n$ , C1 test, (8/20 $\mu$ s), 2P / 1P	0,2 kA / 0,1 kA
$U_p$ , (at $I_n$ ), L-GND	< 150 V
$U_p$ , C3 (at 1 kV), L-GND	< 85 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 <sup>2</sup>
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