PRODUCT DATA SHEET
Surge Protective devices
SPDs for telecom and signaling

Code: 6844128-70
Description: SPD DataTron PR 4-60, code 6844128-70

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 outcoming 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

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	64 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
Iimp, D1 test, (10/350μs), 2P / 1P	2,5 kA / 1,25 kA
Iimp, D1 test, (10/350μs), 4P	5 kA
In, C2 test, (8/20μs), 2P / 1P	20 kA / 10 kA
Up, (at 5 kA), L-L & L-GND	< 160 V

Up, C3 (at 1 kV), L-L & L-GND	< 84 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 mm2
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