



CITEL



1-pair monobloc Telecom surge protector

DLA-12D3G

- High speed data transmission
- Common mode and differential mode protection
- Data lines, including those isolated from Earth
- Compact DIN rail enclosure, high density protection
- Protection of shield wire
- Location and test categories: D1, C2, C3
- IEC 61643-21 compliance



Electrical Characteristics

Network		0-10 V analogic line, 12 V digital
Nominal line voltage	Un	12 V
Max. DC operating voltage	Uc	15 Vdc
Cut-off frequency -3dB, 100 ohm system	f max.	> 80 MHz
Cut-off frequency -1dB, 100 ohm system	f max.	> 45 MHz
Max. load current @25°C	IL	750 mA
Max. discharge current max. withstand @ 8/20 µs by pole	I _{max}	20 kA
Nominal Discharge Current C2 (1.2/50µs / 8/20µs), 10 applications, X-X (Line/Line), X-SG (Line/Signal Ground)	I _n	10 kA
Nominal Discharge Current C2 (1.2/50µs / 8/20µs), 10 applications, X-C (Line/Earth), SG-C (Signal Ground/Earth)	I _n	10 kA
Protection Level C3 (10/1000µs), 300 applications@10 A, Y-Y (Line-Line), Y-SG (Line-Signal Ground)	Up	40 V
Protection Level C3 (10/1000µs), 300 applications@10 A, Y-C (Line-Earth), SG-C (Signal Ground-Earth)	Up	650 V
Protection Level C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)	Up	650 V
Impulse current D1 (10/350µs), 2 applications, X-C (Line/Earth), X-SG (Line/Signal Ground) and SG-C	I _{imp}	2.5 kA
Line/Line Nominal discharge current C2 Category	I _n L/L	10 kA
Line resistance (± 10%)		1.5 Ohm

Mechanical Characteristics

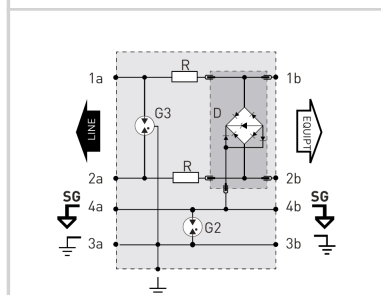
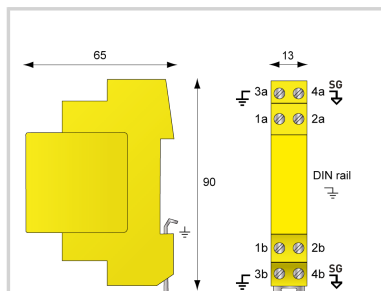
Technology	GDT+TVS diode
SPD configuration	1-pair+shielded
Connection to Network	By spring terminal - max. cross section 2.5mm ² / AWG 13 (solid or stranded)
Format	Din Rail Base-Plug-in Module
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	Tu -40/+85°C
Ingress Protection rating	IP20 (NEMA 2)
Failsafe mode	Short-circuit
Disconnection indicator	Transmission interrupt - default mode 2
Dimensions	See diagram
Weight	0.092 kg

Standards

Standards compliance	IEC 61643-21 / EN 61643-21
Environmental standards	EU RoHS

Part number

640192



G: 3-electrode gas tube
Gb: 2-electrode gas tube
R: Resistor
D: Clamping diode SG: Signal ground

