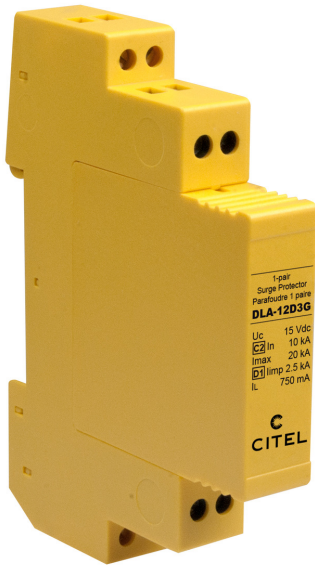




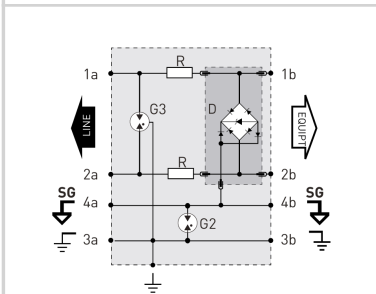
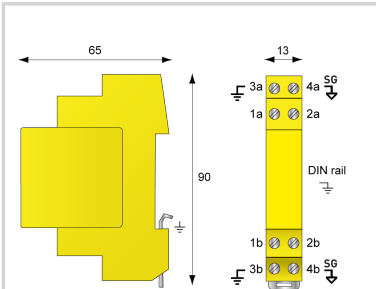
CITEL

UL497B LISTED - I_{max} 20kA - I_n 5kA - Modular

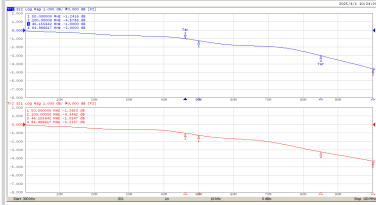
DLA-12D3G



- Hybrid GDT-TVS Technology
- UL497B LISTED
- 20kA I_{max} (1x-8/20us)
- 5kA I_{imp} (2x-10/350us)
- 5kA I_n (10x-8/20us)
- Modular
- 2W+SHIELD+G



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



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 (1.2/50us / 8/20μs), 10 applications, X-X (Line/Line), X-SG (Line/Signal Ground)	I _n 10 kA
Nominal Discharge Current C2 (1.2/50us / 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)	Up 650 V
Protection Level C3 (10/1000μs), 300 applications@10 A, Y-C (Line-Earth), SG-C (Signal Ground-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 resistance (± 10%)	1.5 Ohm
Mechanical Characteristics	
Technology	GDT+TVS diode
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)
Operating temperature	Tu -40/+85°C
Ingress Protection rating	IP20 (NEMA 2)
Failsafe mode	Short-circuit
NETWORK CONFIGURATION	1 pair (2W+Shield+G)
MATERIAL	Thermoplastic UL94-V0
DIMENSIONS	See diagram
Standards	
Environmental standards	EU RoHS
UL STANDARD	UL497B
UL CATEGORY	QVGQ
UL FILE NUMBER	E184939
STANDARDS	IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993
Part number	
640192	

