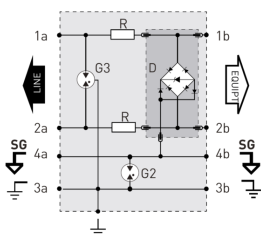
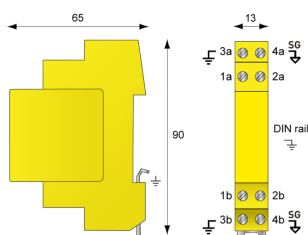
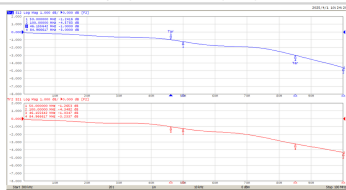




- ✦ High speed data transmission
- ✦ Common mode and differential mode protection
- ✦ Data lines, including those isolated from Earth
- ✦ Compact DIN rail enclosure, high density protection
- ✦ Protection of shield wire
- ✦ Location and test categories: D1, C2, C3
- ✦ IEC 61643-21 compliance



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 (1.2/50μs / 8/20μs), 10 applications, X-X (Line/Line), X-SG (Line/Signal Ground)	In	10 kA
Nominal Discharge Current C2 (1.2/50μs / 8/20μs), 10 applications, X-C (Line/Earth), SG-C (Signal Ground/Earth)	In	10 kA
Protection Level C3 (10/1000μs), 300 applications@10 A, X-X (Line-Line), X-SG (Line-Signal Ground)	Up	40 V
Protection Level C3 (10/1000μs), 300 applications@10 A, X-C (Line/Earth)	Up	650 V
Protection Level C3 (10/1000μs), 300 applications@10 A, X-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/Line Nominal discharge current C2 Category	In 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 box
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

Standards

Standards compliance		IEC 61643-21 / EN 61643-21
Part number		640192