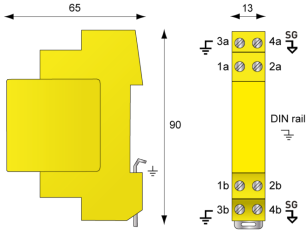
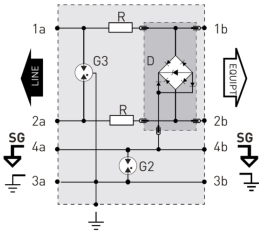
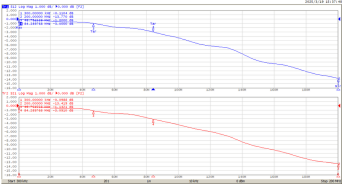




- ✦ High speed data transmission
- ✦ Common mode and differential mode protection
- ✦ Data lines, including those isolated from Earth
- ✦ Compact DIN rail enclosure, high density protection
- ✦ Protection of shield wire
- ✦ Location and test categories: D1, C2, C3
- ✦ IEC 61643-21 compliance



	Electrical Characteristics																																								
 <p>G: 3-electrode gas tube Gb: 2-electrode gas tube R: Resistor D: Clamping diode SG: Signal ground</p>	<table border="1"> <tr> <td>Network</td> <td></td> <td>4-20 mA, 24 V analogic</td> </tr> <tr> <td>Nominal line voltage</td> <td>Un</td> <td>24 V</td> </tr> <tr> <td>Max. DC operating voltage</td> <td>Uc</td> <td>36 Vdc</td> </tr> <tr> <td>Cut-off frequency -3dB, 100 ohm system</td> <td>f max.</td> <td>> 80 MHz</td> </tr> <tr> <td>Cut-off frequency -1dB, 100 ohm system</td> <td>f max.</td> <td>> 45 MHz</td> </tr> <tr> <td>Max. load current @25°C</td> <td>IL</td> <td>750 mA</td> </tr> <tr> <td>Max. discharge current max. withstand @ 8/20 µs by pole</td> <td>I_{max}</td> <td>20 kA</td> </tr> <tr> <td>Nominal Discharge Current C2 (1.2/50µs / 8/20µs), 10 applications, X-X (Line/Line), X-SG (Line/Signal Ground)</td> <td>I_n</td> <td>10 kA</td> </tr> <tr> <td>Nominal Discharge Current C2 (1.2/50µs / 8/20µs), 10 applications, X-C (Line/Earth), SG-C (Signal Ground/Earth)</td> <td>I_n</td> <td>10 kA</td> </tr> <tr> <td>Protection Level C3 (10/1000µs), 300 applications@10 A, X-X (Line-Line), X-SG (Line-Signal Ground)</td> <td>Up</td> <td>60 V</td> </tr> <tr> <td>Protection Level C3 (10/1000µs), 300 applications@10 A, X-C (Line-Earth), SG-C (Signal Ground-Earth)</td> <td>Up</td> <td>650 V</td> </tr> <tr> <td>Impulse current D1 (10/350µs), 2 applications, X-C (Line/Earth), X-SG (Line/Signal Ground) and SG-C</td> <td>I_{imp}</td> <td>2.5 kA</td> </tr> <tr> <td>Line resistance (± 10%)</td> <td></td> <td>1.5 Ohm</td> </tr> </table>		Network		4-20 mA, 24 V analogic	Nominal line voltage	Un	24 V	Max. DC operating voltage	Uc	36 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, X-X (Line-Line), X-SG (Line-Signal Ground)	Up	60 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 resistance (± 10%)		1.5 Ohm
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	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)																																							
Fail-safe 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																																							
Part number																																									
640193																																									