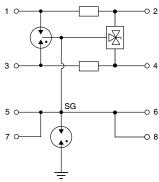
DATA SHEET SPD with Separated Signal Ground (RS 232) RayDat SGH-3-110 D1 • C1 • C2 • C3



IEC/EN Category: D1/C1/C2/C3
Surge Discharge Ratings: I_n: 10kA, I_{max}: 20kA, I_{imp}: 2.5kA
Voltages: 110 V DC
Frequency Range: 30 MHz Housing: Modular Design Compliance: IEC/EN 61643-21

Configuration:











Technical Data

SGH-3-xxx

	1 (2 Conductors)
U _n	110V
U _c	170V
IL	1A
I _n	10 kA
I _{max}	20 kA
I_{imp}	2.5 kA
	<450 V
)	184-276V
i)	184-264V
t _A	<1 ns
)	<100ns
e) R _{iso}	≥ 170 MΩ
)	> 1 GΩ/100V
R	1.6-2.0Ω
e) C	50 pF
)	5pF
f_{G}	30 MHz
	-40 °F to +176 °F [-40 °C to +80 °C]
	12 AWG [4 mm², 2.5 mm² Q Version]
	4.5 lbf-in [0.5 Nm]
	IP20 (built-in)
	Thermoplastic; Grey; Extinguishing Degree V-0
	35 mm DIN Rail
	110
	7086.68
	7086.76
	U _c I _L I _n I _{max} I _{imp} E) U _{res} E) t _A E) R _{iso} E E) C



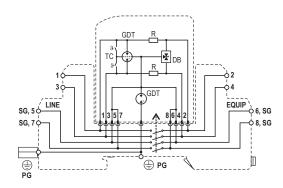
RayDat SGH-3-110

Internal Configuration

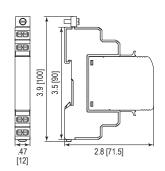
Legend DB GDT

Diode Block Gas Discharge Tube

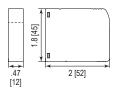
R Resistor
PG Protective Grounding
SG Signal Grounding
TC Thermo-clip



Dimensions & Packaging



110
2.11 oz [60 g]
2/3 TE
3.4 × .59 × 4" [87 × 15 × 102 mm]
15 pieces



SGH-3-xxxM Series	110
Dimensions	
Weight per Unit	.91 oz [26g]
Packaging Dimensions (Single Unit)	3.4 × .59 × 4" [87 × 15 × 102 mm]
Minimum Package Quantity	15 pieces

inches [mm]

Information contained in this document is subject to change at any time without notice.



