DATA SHEET

SPD for Two Pair with Single Protection Mode
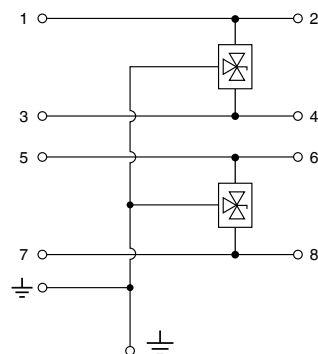# RayDat SLL-4 Series
C1 • C3

UL Listed

IEC/EN Category: C1/C3
Surge Discharge Ratings: I_n: 250 A
Voltages: 30 V DC
Frequency Range: 30 MHz
Housing: Modular Design
Compliance: IEC/EN 61643-21
UL 497B 4th Edition

Configuration:

Technical Data

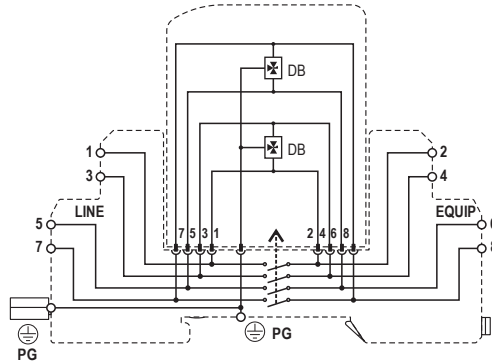| SLL-4 Series		30
Electrical		
Lines Protected		2 (4 Conductors)
Nominal Operating Voltage (DC)	U_n	30 V
Maximum Continuous Operating Voltage (DC)	U_c	33 V
Rated Load Current at 25ºC	I_L	10 A
C1 Nominal Discharge Current (8/20 µs)	I_n	250 A
Residual Voltage at 5 kA (8/20 µs) (Line-Line)	U_{res}	< 80 V
Rated Spark Overvoltage (Line-Line)		36-44 V
(Line-Ground)		36-44 V
Response Time Overvoltage Protection (Line-Line)	t_A	< 1 ns
(Line-Ground)		< 1 ns
Insulation Resistance of the Protection (Line-Line)	R_{iso}	≥ 33 MΩ
(Line-Ground)		≥ 33 MΩ
Serial Resistance per Path	R	0.1 Ω
Transverse Capacitance (Line-Line)	C	50 pF
(Line-Line)		50 pF
Cut-off Frequency	f_G	30 MHz
Mechanical		
Temperature Range		-40 ºF to +176 ºF [-40 ºC to +80 ºC]
Terminal Cross Section Multi-strand (max.)		12 AWG [4 mm², 2.5 mm² Q Version]
Terminal Screw Torque		4.5 lbf·in [0.5 Nm]
Degree of Protection IEC/EN 60529		IP 20 (built-in)
Housing Material		Thermoplastic; Grey; Extinguishing Degree V-0
Mounting IEC/EN 60715		35 mm DIN Rail
Order Information		
Order Code		**30**
SLL-4-xx		7082.92
SLL-4-xxQ (Quick Connect Terminals)		7085.27
SLL-4-xxM (module)		7082.93

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

RayDat SLL-4 Series

Internal Configuration

Legend
DB   Diode Block
PG   Protective Grounding

Dimensions & Packaging
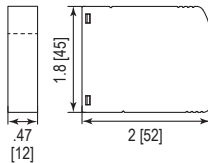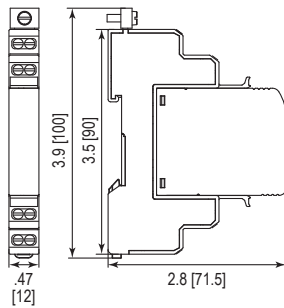
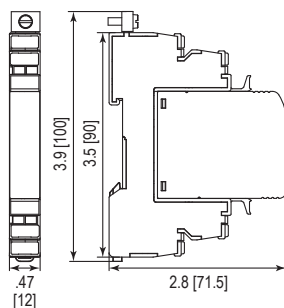| SLL-4 Series	30
Dimensions	
Weight per Unit	1.97 oz [56 g]
Dimensions DIN 43880	2/3 TE
Packaging Dimensions (Single Unit)	3.4 × .59 × 4" [87 × 15 × 102 mm]
Minimum Package Quantity	15 pieces

SLL-4-xxM Series	30
Dimensions	
Weight per Unit	.77 oz [22 g]
Packaging Dimensions (Single Unit)	3.4 × .59 × 4" [87 × 15 × 102 mm]
Minimum Package Quantity	15 pieces

Quick Connect Terminals

SLL-4-xxQ Series	30
Dimensions	
Weight per Unit	2.04 oz [58 g]
Dimensions DIN 43880	2/3 TE
Packaging Dimensions (Single Unit)	3.4 × .59 × 4" [87 × 15 × 102 mm]
Minimum Package Quantity	15 pieces

inches
[mm]

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RoHS COMPLIANT   CE   UL LISTED

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