

DATA SHEET
Compact Single-pole SPD
RayDat SPLH-2-7A
D1 • C1 • C2 • C3
UL Listed

IEC/EN Category: D1/C1/C2/C3
 Surge Discharge Ratings: I_n : 10kA, I_{imp} : 2.5kA
 Voltages: 36V DC
 Series Load Current: 7A
 Enclosure: DIN 43880 2TE, DIN Rail Mount
 Terminals: Stranded to 2.5 mm²
 Housing: Compact Design
 Compliance: IEC/EN 61643-21
 UL 497B 4th Edition

**Technical Data****SPLH-2-7A****Electrical**

Nominal Operating Voltage (DC)	U_n	36V
Maximum Continuous Operating Voltage (DC)	U_c	45V
Rated Load Current at 45°C	I_L	7A
Rated Load Current at 80°C	I_L	5A
C2 Nominal Discharge Current (8/20 μ s) (Line-Ground)	I_n	10kA
C2 Total Nominal Discharge Current (8/20 μ s)	I_n	20kA
D1 Impulse Current (10/350 μ s) (Line-Ground)	I_{imp}	2.5kA
D1 Total Impulse Current (10/350 μ s)	I_{imp}	5kA
Voltage Protection Level at C2 (8/20 μ s) (Line-Ground)	U_p	< 1000V
Voltage Protection Level at C2 (8/20 μ s) (Line-Line)	U_p	< 180V
Response Time Overvoltage Protection	t_A	< 1ns
Insulation Resistance of the Protection	R_{iso}	> 45M Ω
Serial Resistance per Path	R	< 1 Ω
Serial Inductivity	L	22 μ H
Transverse Capacitance (Line-Ground)	C	< 2nF
Transverse Capacitance (Line-Line)	C	< 100pF

Mechanical & Environmental

Temperature Range	T_a	-40 °C to +80 °C
Terminal Screw Torque	M_{max}	0.5Nm
Conductor Cross Section		2.5mm ² (Solid, Stranded)
Mounting		35mm DIN Rail, EN 60715
Degree of Protection		IP 20
Housing Material		Thermoplastic: Extinguishing Degree UL 94 V-0

Order Information

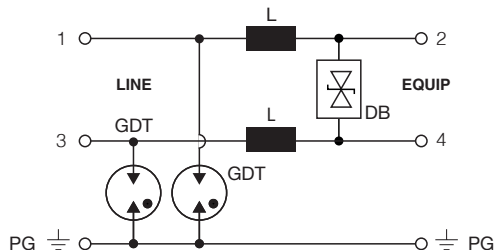
Order Code		
SPLH-2-7A		127 626

RayDat SPLH-2-7A

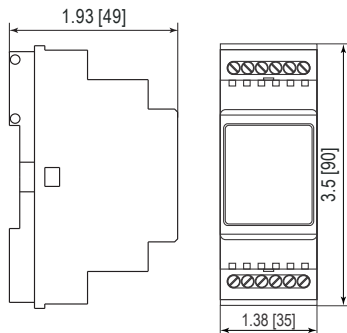
Internal Configuration

Legend

- DB Diode Block
- GDT Gas Discharge Tube
- PG Protective Grounding
- L Inductor



Dimensions & Packaging



Dimensions & Packaging

SPLH-2-7A	
Dimensions DIN 43880	2 TE
Single Unit Weight	3.17 oz [90g]
Packaging Dimensions (Single Unit)	4.29 x 3.03 x 1.65" [109 x 77 x 42mm]
Minimum Order Quantity	7 Units

inches
[mm]

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

