

PCB Socket T1(-R)**Class I • Class II • Type 1 • Type 2 • Type 1CA**

Location of Use: Indoor - to be firmly fixed to PCB
 Network Systems: TN, TT (only L-N)
 Mode of Protection: L-PE, N-PE (only TN-S), L-PEN
 IEC/EN/UL Category: Class I+II, Type 1+2, Type 1CA
 Housing: PCB Mount
 Compliance: IEC 61643-11:2011
 EN 61643-11:2012+A11:2018
 UL 1449 5th Edition

Technical Data**PCB Socket T1(-R)****IEC Electrical**

Nominal AC Voltage (50/60 Hz)	U_o / U_n	up to 600V
Maximum Continuous Operating Voltage (AC)	U_c	up to 750V
Nominal Discharge Current (8/20 μ s)	I_n	up to 25 kA
Maximum Discharge Current (8/20 μ s)	I_{max}	up to 65 kA
Impulse Discharge Current (10/350 μ s)	I_{imp}	up to 25 kA
Specific Energy	W/R	up to 156.25 kJ/ Ω
Charge	Q	up to 12.5 As
Overcurrent Protection (max)		up to 250 A gG
Short-Circuit Current Rating	I_{SCCR}	up to 50 kA
Number of Ports		1

UL Electrical

Maximum Continuous Operating Voltage (AC)	MCOV	up to 750V
Nominal Discharge Current (8/20 μ s)	I_n	up to 20 kA
Short-Circuit Current Rating (AC)	SCCR	up to 200 kA

Mechanical & Environmental

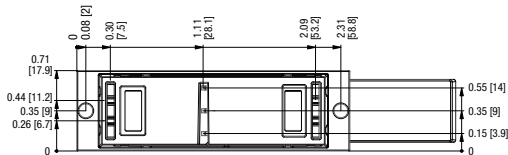
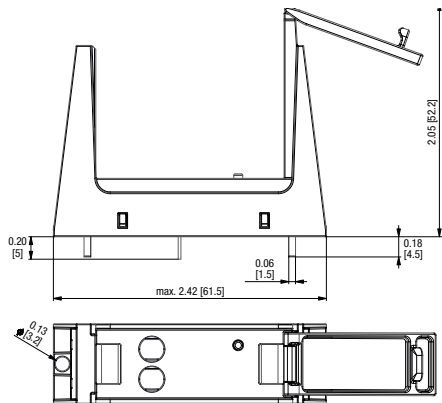
Operating Temperature Range	T_a	-40 °F to +185 °F [-40 °C to +85 °C]
Permissible Operating Humidity	RH	5%...95%
Altitude (max)		13123 ft [4000 m]
Mounting		Printed Circuit Board (PCB)
Degree Of Protection		IP 20 (built-in PCB, with protection module plugged in)
Housing Material		Thermoplastic: Extinguishing Degree UL 94 V-0
Remote Contacts (RC)		Optional
RC Switching Capacity		AC: 250V/1A, 125V/1A; DC: 48V/0.5A, 24V/0.5A, 12V/0.5A

*Product with T2 sized locking clip.

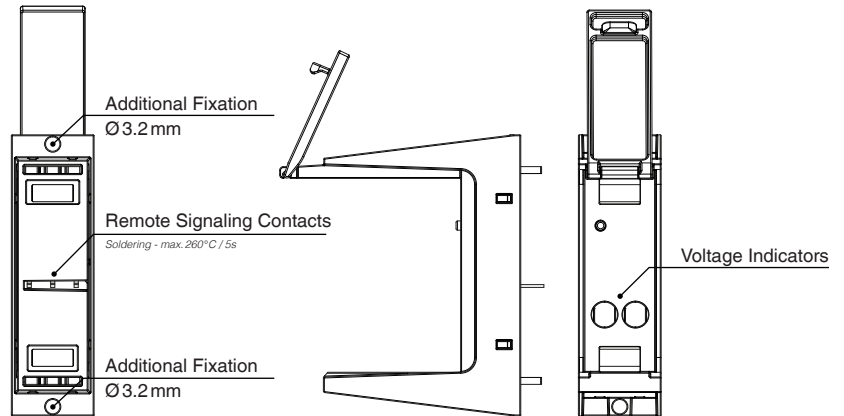
For complete line of Raycap product solutions or dedicated case applications please contact us: info@raycap.com.

Installation Configuration

Complete Unit



PCB Socket T1(-R)



Single Unit Dimensions & Packaging

PCB Socket T1

Weight	pounds	.046
	grams	21 g

PCB Socket T1-R

Weight	pounds	.048
	grams	22 g

DIN 43880 Dimension	1 TE / .71" [18]
Packaging Dimensions (H x W x L)	14.8 x 2.8 x 2.6" [37.5 x 7 x 6.5 mm]
Standard Order Quantity	1 Unit

inches
[mm]

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

