



APEXON SOLUTIONS LLC TECHNICAL DATA SHEET DOCUMENT ID: TDS-SINOFUSE-TSA1485-K

Product Identification: Manufacturer: Xi'an Sinofuse Electric Co., Ltd. Part Number: TSA1485-K Order Code: TSA1485-K Component Type: 2-Pole Photovoltaic Fuse Holder

Electrical Specifications: Rated Operational Current (Ie): 40 A Rated Operational Voltage (Ue): 1500 VDC (DC-20B) Rated Insulation Voltage (Ui): 1600 V Rated Impulse Withstand Voltage (Uimp): 12 kV Rated Short-Circuit Capacity (Icc): 50 kA Number of Poles: 2-Pole (2P)

Mechanical and Physical: Compatible Fuse Size: 14 x 85 mm Degree of Protection: IP20 Flammability Rating: UL94-V0 Housing Construction: Flame-retardant polymer

Installation and Termination: Terminal Wire Range: 2.0 to 16 mm² (75°C Cu Wire Only) Tightening Torque: 2.5 to 3.5 N·m

Compliance and Standards: International Standards: IEC 60947-3, UL 4248-1, IEC 60269 National Standards: GB/T 14048.3, GB/T 13539

Application Suitability: Primary Use: Photovoltaic overcurrent and short-circuit protection Secondary Use: Solar combiners, Distribution boxes System Compatibility: High-voltage solar utility and industrial DC power systems Safety Features: Finger-safe design, robust disconnecter

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