

Minitek® Pwr 4.2 TPA Connector System

COMPREHENSIVE SOLUTION FOR POWER APPLICATIONS WITH TPA

Minitek® Pwr 4.2 TPA connector system ensures that the terminal is fully seated in the housing and that the terminal will not back out of the housing during mating or when in use. AFCI TPA aligners are optional and can be used as an add on part.

- Unique design can use standard crimp terminals
- TPA Housings functional with or without TPA
- Intermatability at connector level with Industry Standards
- Provides secondary level locking feature
- Benefits inventory management using standard terminals



TARGET MARKETS



FEATURES

- Terminal position assurance (TPA)
- TPA prevents accidental terminal back out
- TPA housings provide positive primary locking
- (TPA) feature provides secondary locking feature
- TPA housing could be used standalone product without TPA
- Halogen-free resin material
- Glow wire compliant and UL94V-0 resin materials
- RoHS compliant and lead-free

BENEFITS

- Terminal is located at the correct position in housing
- Critical applications, electrical continuity is ensured
- Protects accidental disengagement after mating
- Reduces assembly error
- Part management at user end is made simple
- Meets environmental standards
- High flammability rating
- Meets environmental, health and safety requirements

TECHNICAL INFORMATION

MATERIAL

- Nylon 66, UL94-V0, natural and black

ELECTRICAL PERFORMANCE

- Max. current rating 13A
- Voltage rating 600

MECHANICAL PERFORMANCE

- Durability: 30 Cycles
- Insertion Force: 14.7N max. per circuit
- Withdrawal Force: 1.0N max. per circuit
- Wire Gauge: 16AWG to 28AWG

ENVIRONMENTAL

- Operating Temperature Range: -40°C ~ 105°C

APPROVALS AND CERTIFICATIONS

- UL/CSA Approval: Pending

SPECIFICATIONS

- Product Specification: GS-12-1635
- Packaging Specification: GS-14-2752
- Application Specification: GS-20-0659/GS-20-0401

PACKAGING

- Bulk

TARGET MARKETS/APPLICATIONS



Harness Manufacturers
Non-sealed Applications
On Board Devices and Infotainment



Refrigeration/Washing Machine
Air Conditioners
Dish Washers



Office Equipments



HVAC
Servo Drives
Vending Machines Security
Automation Equipment's and
Networks

PART NUMBER

Description	Series
Minitek® Pwr 4.2 TPA Aligner	10153465
Minitek® Pwr 4.2 Dual Row TPA Receptacle Housing	10153466
Minitek® Pwr 4.2 Single Row TPA Receptacle Housing	10153467
Minitek® Pwr 4.2 Dual Row TPA Plug Housing	10153592
Minitek® Pwr 4.2 Receptacle Terminal	10134170
Minitek® Pwr 4.2 Plug Terminal	10156852