### AMP Power Series - 75

TE Internal #: 1445716-9

Rectangular Power Connectors, Connector Assembly, Receptacle / Plug, Wire-to-Wire, 1 Position, Wire & Cable, UL 94V-0, AMP Power

Series - 75

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Rectangular Power Connector Type: Connector Assembly

Connector & Housing Type: Plug, Receptacle

Connector System: Wire-to-Wire

Number of Positions: 1

Sealable: No

### **Features**

## **Product Type Features**

Assembly Requirement	Unassembled Kit
Compatible With Discrete Wire Type	Stranded
Rectangular Power Connector Type	Connector Assembly
Connector & Housing Type	Plug, Receptacle
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Configuration Features	
Number of Positions	1
Number of Rows	1
Electrical Characteristics	
Operating Voltage	600 VDC
Contact Features	

Silver

Contact Mating Area Plating Material



Termination Method to Wire & Cable  Mechanical Attachment  Mating Retention  Mating Alignment  Mating Alignment  Mating Retention Type  Latch  Connector Mounting Type  Cable Mount (Free-Hanging)  Housing Features  Housing Color  Housing Material  Polycarbonate  Connector Height  17.15 mm[.675 in]  Product Width  17.15 mm[.675 in]  Product Length  Wire Size  Departing Temperature Range  Operation/Application  Circuit Application  Circuit Application  With  With  With  With  With  With  With  With  Other  Without  Without  Cable Mount (Free-Hanging)  Latch  Cable Mount (Free-Hanging)  Table  Table  Without  Without  Without  Table  Without  Without  Table  Without  Foeen  Ale  Ale  Ale  Ale  To Timm[.675 in]  Product Length  Wire Size  Departing Temperature Range  Operation/Application  Circuit Application		
Contact Type Wise Contact Termination Area Plating Material Contact Mating Area Plating Material Thickness Termination Features  Termination Method to Wire & Cable Mechanical Attachment  Mating Retention Mating Alignment Without  Panel Mount Feature  Mating Retention Type Latch Connector Mounting Type Cable Mount (Free-Hanging)  Housing Features  Illousing Color Housing Material Dimensions  Connector Height T.15 mm, 675 in] Product Width T.15 mm, 675 in] Product Length Wise Size Topicular Length Topicu	Contact Current Rating (Max)	75 A
Wire Contact Lemination Area Plating Material Contact Mating Area Plating Material Thickness Termination Features Termination Method to Wire & Cable Mechanical Attachment  Mating Retention Multing Retention Multing Alignment Multing Alignment Multing Retention Type Latch Connector Mounting Type Cable Mount (Free Hanging) Housing Features  Housing Color Thousing Material Dimensions  Connector Height 17.15 mmil.675 in] Product Width Product Length Wire Size Department Properties Renge Operation/Application  Circuit Application  Circuit Application  Circuit Application  Mating Agency/Standard Agency/Standards UL Rating Approved Standards UL Payrous Agency Material  New Material Dimensions  1.27 mmile Material Dimensions  Selection Approved Standards UL Payrows Standards UL Payro	Contact Retention Within Housing	Without
Contact Mating Area Plating Material Thickness  Termination Features  Termination Method to Wire & Cable  Mechanical Attachment  Mating Retention  Mating Alignment  Panel Mount Leature  Mating Retention Type  Cannector Mounting Type  Caree  Housing Color  Housing Material  Dimensions  Connector Height  17.15 mm[.675 in]  Product Width  17.15 mm[.675 in]  Product Width  17.15 mm[.675 in]  Product Length  Wire Size  25656 – 27629 CMA  Usage Conditions  Operating Temperature Range  Operating Temperature Range  Operating Temperature Range  Usage Condition  Circuit Application  Circuit Application  Power  Industry Standards  UI Rating  Agency/Standard  UL E28476  UI 194V-0  194V-0  Circuit Approved Standards  UI 194V-0  UI 94V-0  194V-0  Product Method to Wire Standards  UI 194V-0  UI 94V-0	Contact Type	Blade
Termination Features Termination Method to Wire & Cable Mechanical Attachment  Mating Retention Mating Alignment Without Mating Alignment Without Mating Retention Type Latch Connector Mounting Type Cable Mount (Free-Hanging)  Housing Features  Housing Color Green Housing Material Product Vidth 17.15 mmi,675 in] Product Width Product Length Wire Size Usage Conditions Operating Temperature Range Operation/Application Circuit Application  Circuit Application Recognized Agency/Standards UL Rating Agency/Standards UL Flammability Reting  Cirmin Mating Method to Wire Standards UL Flammability Reting University Standards UL 1949-0 UL 949-0	Wire Contact Termination Area Plating Material	Silver
Termination Method to Wire & Cable  Mechanical Attachment  Mating Retention  Mating Alignment  Mating Alignment  Mating Retention Type  Mating Retention Type  Connector Mounting Type  Connector Mounting Type  Housing Color  I lousing Material  Dimensions  Connector Height  Product Width  17.15 mm[675 in]  Product Length  Wire Size  Usage Conditions  Operating Temperature Range  Operation/Application  Circuit Application  Circuit Application  UL Rating  Agency/Standards  UL Ez8476  UL Flammability Rating  Mithout  With  Circuit Application  Power  Agency/Standards  UL Ez8476  UL 914-01  With  W	Contact Mating Area Plating Material Thickness	1.27 μm[50 μin]
Mechanical Attachment  Mating Retention Without  Mating Alignment Without  Panel Mount Feature Without  Mating Retention Type Latch Connector Mounting Type Cable Mount (Free Hanging)  Housing Features  Housing Color Green Housing Material Polycarbonate  Dimensions  Connector Height 17.15 mm[.675 in]  Product Width 17.15 mm[.675 in]  Product Length 48 mm[1.89 in]  Wire Size 25656 - 27629 CMA  Usage Conditions  Operating Temperature Range 20 105 "C  4 221 "F   Operation/Application Fower  Industry Standards  UL Rating Recognized Agency/Standard UL  Lenamability Rating UL 94V-0	Termination Features	
Mating Retention Without  Mating Alignment Without  Mating Retention Type Latch  Connector Mounting Type Cable Mount (Free-Hanging)  Housing Color Green  Housing Material Polycarbonate  Dimensions  Connector Height 17.15 mm[.675 in]  Product Width 17.15 mm[.675 in]  Product Length 48 mm[1.89 in]  Wire Size 25656 - 27629 CMA  Usage Conditions  Circuit Application Power  Circuit Application Power  Latch  Without  Without  Green  Green  17.15 mm[.675 in]  Product Length 48 mm[1.89 in]  Wire Size 25656 - 27629 CMA  Usage Conditions  Circuit Application Power  Lindustry Standards  UL Rating Retention Recognized  Agency/Standard UL E28476  UL Flammability Rating UL 94V-0	Termination Method to Wire & Cable	Crimp
Mating Alignment Panel Mount Feature Without Mating Retention Type Larch Connector Mounting Type Connector Mounting Type Consector Mounting Type  Housing Features Housing Color Housing Material Product Width 17.15 mm[.675 in] Product Width 17.15 mm[.675 in] Product Length Wire Size 25656 – 27629 CMA  Usage Conditions Circuit Application Circuit Application Circuit Application Recognized Agency/Standard Approved Standards UL Flammability Rating Without Cable Mount (Free-Hanging) Without Cable Mount (Free-Hanging) Cable Mount (Free-Hanging) Cable Mount (Free-Hanging) Cable Mount (Free-Hanging) Freen Cable Mount (Free-Hanging) Cable Mount (Free-Hanging) Freen Cable Mount (Freen Cable Mo	Mechanical Attachment	
Panel Mount Feature Without  Mating Retention Type Latch  Connector Mounting Type Cable Mount (Free-Hanging)  Housing Features  Housing Color Green  Housing Material Polycarbonate  Dimensions  Connector Height 17.15 mm[.675 in]  Product Width 17.15 mm[.675 in]  Product Length 48 mm[1.89 in]  Wire Size 25656 – 27629 CMA  Usage Conditions  Operating Temperature Range -20 – 105 °C[-4 – 221 °F]  Operation/Application  Circuit Application  Industry Standards  UL Rating Recognized  Agency/Standard  UL Flammability Rating UL F28476  UL Flammability Rating	Mating Retention	With
Mating Retention Type Connector Mounting Material Connecto	Mating Alignment	Without
Connector Mounting Type  Housing Features  Housing Color Housing Material Connector Height Connector Height Product Width Product Length Wire Size  Operating Temperature Range Operation/Application  Circuit Application  UL Rating Agency/Standard Approved Standards UL Flammability Rating	Panel Mount Feature	Without
Housing Features  Housing Color Green Housing Material Polycarbonate  Dimensions  Connector Height 17.15 mm[.675 in] Product Width 17.15 mm[.675 in] Product Length 48 mm[1.89 in] Wire Size 25656 – 27629 CMA  Usage Conditions  Operating Temperature Range -20 – 105 °C[-4 – 221 °F]  Operation/Application  Circuit Application Power  Industry Standards  UL Rating Recognized Agency/Standard UL Approved Standards  UL Flammability Rating UL 94V-0	Mating Retention Type	Latch
Housing Color Housing Material Poincetor Height Product Width Product Length Wire Size Operating Temperature Range Operation/Application Circuit Application UL Rating Agency/Standard Approved Standards UL Flammability Rating General Polycarbonate Polycar	Connector Mounting Type	Cable Mount (Free-Hanging)
Housing Material  Dimensions  Connector Height 17.15 mm[.675 in] Product Width 17.15 mm[.675 in] Product Length 48 mm[1.89 in] Wire Size 25656 – 27629 CMA  Usage Conditions  Operating Temperature Range 20 – 105 °C[-4 – 221 °F]  Circuit Application  Circuit Application  UL Rating Recognized Agency/Standard UL Approved Standards  UL Flammability Rating UL 54V-0	Housing Features	
Connector Height 17.15 mm[.675 in] Product Width 17.15 mm[.675 in] Product Length 48 mm[1.89 in] Wire Size 25656 – 27629 CMA Usage Conditions  Operating Temperature Range -20 – 105 °C[-4 – 221 °F] Operation/Application Circuit Application Power Industry Standards UL Rating Recognized Agency/Standard UL Approved Standards UL Flammability Rating UL Palamability Rating	Housing Color	Green
Connector Height 17.15 mm[.675 in] Product Width 17.15 mm[.675 in] Product Length 48 mm[1.89 in] Wire Size 25656 – 27629 CMA  Usage Conditions  Operating Temperature Range -20 – 105 °C[-4 – 221 °F]  Operation/Application  Circuit Application Power  Industry Standards  UL Rating Recognized  Agency/Standard UL  Approved Standards  UL Flammability Rating UL 94V-0	Housing Material	Polycarbonate
Product Width 17.15 mm[.675 in]  Product Length 48 mm[1.89 in]  Wire Size 25656 – 27629 CMA  Usage Conditions  Operating Temperature Range -20 – 105 °C[-4 – 221 °F]  Operation/Application  Circuit Application Power  Industry Standards  UL Rating Recognized  Agency/Standard UL  Approved Standards  UL Flammability Rating UL 94V-0	Dimensions	
Product Length Wire Size 25656 – 27629 CMA  Usage Conditions Operating Temperature Range Operation/Application Circuit Application Power Industry Standards UL Rating Agency/Standard Approved Standards UL Flammability Rating  48 mm[1.89 in] 25656 – 27629 CMA  25656 – 27629 CMA  Power Power  -20 – 105 °C[-4 – 221 °F]  Power  -20 – 105 °C[-4 – 221 °F]  UL E28476 UL E28476 UL 94V-0	Connector Height	17.15 mm[.675 in]
Wire Size  Usage Conditions  Operating Temperature Range  -20 – 105 °C[-4 – 221 °F]  Operation/Application  Circuit Application  Power  Industry Standards  UL Rating  Agency/Standard  UL  Approved Standards  UL Flammability Rating  25656 – 27629 CMA  25656 – 27629 CMA  25656 – 27629 CMA  2010 °C[-4 – 221 °F]  Power  Power  UL  4210 °F]  4	Product Width	17.15 mm[.675 in]
Operating Temperature Range -20 – 105 °C[-4 – 221 °F] Operation/Application Circuit Application Power Industry Standards UL Rating Recognized Agency/Standard UL Approved Standards UL Flammability Rating UL 94V-0	Product Length	48 mm[1.89 in]
Operating Temperature Range Operation/Application Circuit Application Power Industry Standards UL Rating Agency/Standard UL Approved Standards UL Flammability Rating Power UL 94V-0	Wire Size	25656 – 27629 CMA
Operation/Application  Circuit Application  Industry Standards  UL Rating  Agency/Standard  UL  Approved Standards  UL Flammability Rating  UL 94V-0	Usage Conditions	
Circuit Application Power  Industry Standards  UL Rating Recognized  Agency/Standard UL  Approved Standards UL E28476  UL Flammability Rating UL 94V-0	Operating Temperature Range	-20 - 105 °C[-4 - 221 °F]
UL Rating Recognized Agency/Standard UL Approved Standards UL E28476 UL Flammability Rating UL 94V-0	Operation/Application	
UL Rating Recognized Agency/Standard UL Approved Standards UL E28476 UL Flammability Rating UL 94V-0	Circuit Application	Power
Agency/Standard UL  Approved Standards UL E28476  UL Flammability Rating UL 94V-0	Industry Standards	
Approved Standards  UL E28476  UL Flammability Rating  UL 94V-0	UL Rating	Recognized
UL Flammability Rating  UL 94V-0	Agency/Standard	UL
	Approved Standards	UL E28476
Glow Wire Rating Standard Part - Not Glow Wire	UL Flammability Rating	UL 94V-0
	Glow Wire Rating	Standard Part - Not Glow Wire



### **Packaging Features**

Packaging Method	Bag	
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## **Product Compliance**

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not applicable for solder process capability

#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

# Compatible Parts





Also in the Series | AMP Power Series - 75





## Customers Also Bought





















## **Documents**

## **Product Drawings**

KIT 6AWG GREEN W/LOCK

English

### **CAD Files**

Customer View Model

ENG\_CVM\_1445716-9\_A.3d\_igs.zip

English

**Customer View Model** 



ENG\_CVM\_1445716-9\_A.3d\_stp.zip

English

**Customer View Model** 

ENG\_CVM\_1445716-9\_A.2d\_dxf.zip

English

3D PDF

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use

Datasheets & Catalog Pages

POWER\_CONNECTORS\_CATALOG\_SEC02\_CABLE\_MOUNTED

English

2\_PIECE\_POWER\_CONNECTORS\_qrg\_4-1773458-1

English

**Product Specifications** 

**Application Specification** 

English