

American Electrical, Inc.

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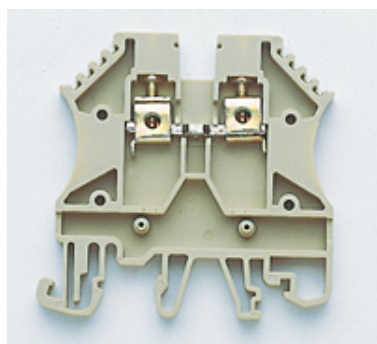
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Item # 305 110, PEK Series Feed-Through Terminal Blocks

List Price \$0.57



PEK Series Feed-Through Terminal Blocks

MATERIALS AND FUNCTION

Housings - The plastic housing holding the metallic screws and clamps is made of UL 94 V2 (105 degree C) thermoplastic polyamide 6.6. This plastic and its certification allow operation rated at 600 V, providing ample dielectric strength for any Industrial Application.

Clamps - Steel is one of the strongest materials available for its value. The clamps are zinc plated to guard against corrosion. When properly torqued, the clamp is designed to self-lock.

Screws - Made of steel as well, the screws act as a system with the clamps - this system requires the same materials for each component. The screws lift and help to self-lock the clamps providing a downward force onto the conductors. The screws are also plated with a Zinc finish to prevent any form of corrosion.

CONNECTION TYPES

Screw Connection

This is the most popular of all known connection methods. Screw connection refers to any connection in which the conductor is stripped of its insulation and clamped without any preparation.

When the screw is tightened, the pressure pulls apart both halves of the clamping yoke. This generates a high locking action on the screw and provides excellent vibration resistance.


Tension Clamp System

Tension clamp connection allows the conductor to be pressed directly against the current bar. The clamp is opened with a screwdriver allowing the insertion of the conductor.

PEK type terminals are manufactured from a thermoplastic material and are mountable on TS35 and TS32 DIN rails. Nine different colors give users the ability to group control systems, current and/or voltage levels.

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SPECIFICATIONS

| | |
|--------------|---|
| Model | PEK 2.5 K |
| Type | Feed-Through Terminals |
| Width | 5 mm |
| Color |  Beige |
| Material | Polyamide 6.6 |
| Package Type | Each |

| | |
|-------------------|---|
| Units Per Package | 1 |
|-------------------|---|

ELECTRICAL RATINGS

| | |
|-----------------------------------|-------------|
| Voltage | 500 ~ V |
| Current | 18 A |
| Cross-Section | 1.5 mm² |
| VDE Voltage (IEC 60947-7-1) | 500 ~ V |
| VDE Current (IEC 60947-7-1) | 17.5 A |
| VDE Cross-Section (IEC 60947-7-1) | 1.5 mm² |
| UL Voltage | 600 ~ V |
| UL Current | 18 A |
| UL Cross-Section | 26 - 12 AWG |
| Insulation Stripping Length | 10 mm |

CONNECTION DATA

| | |
|--------------------------------|----------------|
| Solid Strand, Screw Connection | 0.5 to 2.5 mm² |
| Fine Strand, Screw Connection | 1.5 to 2.5 mm² |
| AWG Conductor | 26 - 12 |

OPTIONS

| | |
|-----------------------------|---|
| Mounting Rail Options | TS3575SL, 35 x 7.5 Steel Slotted Mounting DIN Rail (\$8.00) TS3575SL1, 35 x 7.5 Steel Slotted Mounting DIN Rail (\$6.00) TS3575SL1-A, 35 x 7.5 Aluminum Slotted Mounting DIN Rail (\$8.00) TS3515SL, 35 x 15 Steel Slotted Mounting DIN Rail (\$10.00) TS3575SOL, 35 x 7.5 Steel Solid Mounting DIN Rail (\$8.00) TS3515SOL, 35 x 15 Steel Solid Mounting DIN Rail (\$10.00) |
| End Bracket Options | 495 040, Beige End Bracket (\$0.38) |
| End Plate Partition Options | 445 110, Beige NPP 2.5 K End Plate - Partition for PEK 2.5 K Series Terminal Blocks (\$0.19) 463 110, Beige APP 2.5 K End Plate - Partition for PEK 2.5 K Series Terminal Blocks (\$0.44) |
| Small Partition Options | 467 910, AD 1 Small Partition (Beige) (\$0.42) |

| | |
|---|---|
| Cross Connectors Options | 475 112, UK 2.5/2 Cross Connector for PEK 2.5 K Series Terminal Blocks (\$1.08) 475 113, UK 2.5/3 Cross Connector for PEK 2.5 K Series Terminal Blocks (\$1.61) 475 114, UK 2.5/4 Cross Connector for PEK 2.5 K Series Terminal Blocks (\$2.12) 475 119, UK 2.5/10 Cross Connector for PEK 2.5 K Series Terminal Blocks (\$4.96) |
| Test Plug-Socket/Ins. Test Socket Options | 493 020, TF (Ø2) Test Plug-Socket (\$1.38) 493 023, TF (Ø2.3) Test Plug-Socket (QUOTE) 490 010, TSK 1 (Ø2) Test Plug-Socket (\$1.13) 490 030, TSK 3 (Ø2.3) Test Plug-Socket (\$1.13) |
| Group Marking Options | 496 110, GE Group Marking (Beige) (\$0.98) 496 210, GE 1 Group Marking (White) (\$0.41) 496 260, MGE 1 Group Marking (Beige) (\$0.98) |

CERTIFICATIONS

Certifications



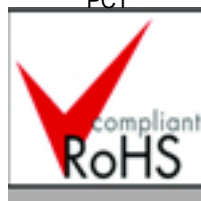
CE



Ex



PCT



RoHS (EU directive 2002/95/EC)



TSE



UL Recognized



VDE