

Plug-In Connection System PK-TS

CONTA-CON Rail mounting

The plug-in connection system **PK-TS** was developed in order to meet the rising demands for modularity and flexibility in switch cabinet and system construction.

It allows, for example, the easiest connection of separately wired control panel springs to the entire installation. The wiring which connects two control panel fields is led into the **PK-TS** basic element in the one control panel. In the other field, the corresponding wires are laid to the **PKB/PBT** companion piece.

The installation of the **PK-TS** basic element on the mounting rail is carried out with the help of catch feet, which are designed for a combination foot TS15/35 or for installation on the TS15, TS32 or TS35 DIN mounting rails.

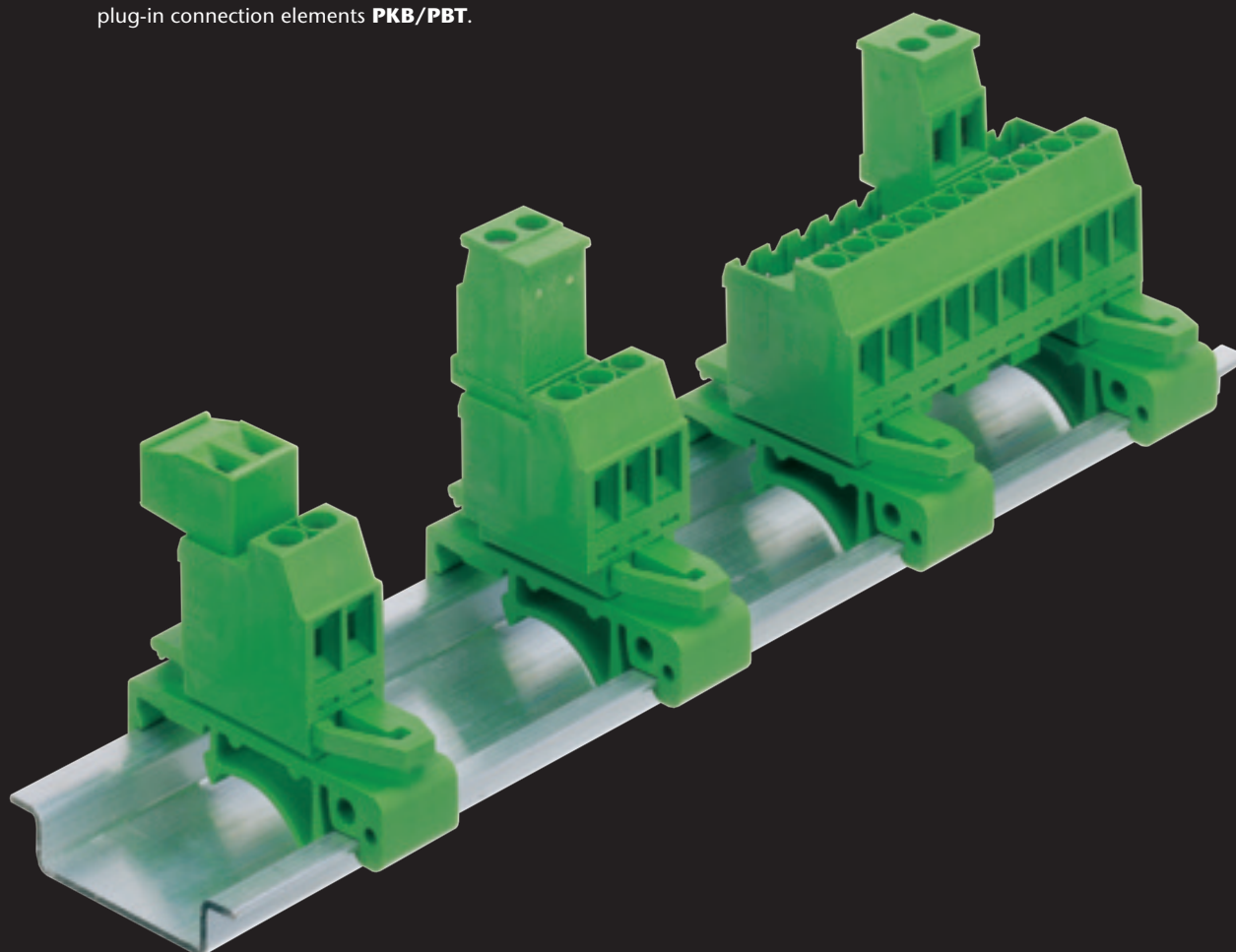
After the switch cabinets are set up, both fields can be connected easily.

The type of connection technology (strain-relief clamp or eccentric) is decided by the choice of plug-in connection elements **PKB/PBT**.

The **PK-TS** elements are available with 2 – 24 poles, also with screw flange. The **PK-TS** basic elements with screw flange can be screwed together with the corresponding plug-in connecting elements with screw flange, and are thus protected against accidental disconnection.

Various connection directions can be realized depending on the choice of the **PK-TS** and **PKB/PBT** combination (see right side).

In order to avoid an incorrect connection when using several **PK-TS** at a time, the **PK-TS** as well as the **PKB/PBT** can be coded without the loss of poles with the tried and tested **CONTA-CON** coding system (see **CONTA-CON** catalogue).



Plug-In Connection System PK-TS

Connection Examples

PK-TS in combination with PKB 950

- Lead-ins **PK-TS**:
horizontally from the right
- Lead-ins **PKB 950**:
vertically from above



PK-TS in combination with PKB 1100

- Lead-ins **PK-TS**:
horizontally from the right
- Lead-ins **PKB 1100**:
horizontally from the left



PK-TS in combination with PKB 1110

- Lead-ins **PK-TS**:
horizontally from the right
- Lead-ins **PKB 1110**:
horizontally from the right



PK-TS in combination with PBT 1200

- Lead-ins **PK-TS**:
horizontally from the right
- Lead-ins **PBK 1200**:
horizontally from above, screw connection
also vertically from above



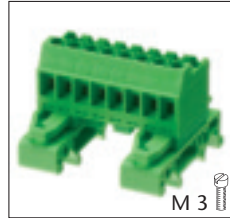
Plug-in connection system PK-TS

Screw connection system

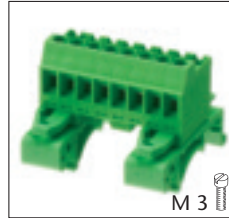


Insulating terminal housing PA 6.6 V0
Rail mount on TS 15 / TS 32 / TS 35

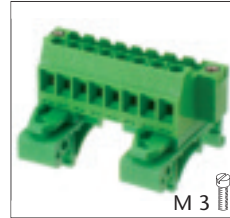
PK-TS/.../5,08/15



PK-TS/.../5,08



PK-TS/.../5,08-F/15



PK-TS/.../5,08-F



Connection type

| Connection type | Screw connection technology | Screw connection technology | Screw connection technology | Screw connection technology |
|---|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Type | TS 15 / TS 35 | TS 32 / TS 35 | TS 15 / TS 35 | TS 32 / TS 35 |
| Type | PK-TS/2/5,08/15 | PK-TS/2/5,08 | PK-TS/2/5,08-F/15 | PK-TS/2/5,08-F |
| Cat. no./Qty. p. pck. | 13175.1/50 | 12319.1/50 | 13825.1/50 | 13848.1/50 |
| Type | PK-TS/3/5,08/15 | PK-TS/3/5,08 | PK-TS/3/5,08-F/15 | PK-TS/3/5,08-F |
| Cat. no./Qty. p. pck. | 13176.1/50 | 12320.1/50 | 13826.1/50 | 13849.1/50 |
| Type | PK-TS/4/5,08/15 | PK-TS/4/5,08 | PK-TS/4/5,08-F/15 | PK-TS/4/5,08-F |
| Cat. no./Qty. p. pck. | 13177.1/50 | 12321.1/50 | 13827.1/50 | 13850.1/50 |
| Type | PK-TS/5/5,08/15 | PK-TS/5/5,08 | PK-TS/5/5,08-F/15 | PK-TS/5/5,08-F |
| Cat. no./Qty. p. pck. | 13178.1/50 | 12322.1/50 | 13828.1/50 | 13851.1/50 |
| Type | PK-TS/6/5,08/15 | PK-TS/6/5,08 | PK-TS/6/5,08-F/15 | PK-TS/6/5,08-F |
| Cat. no./Qty. p. pck. | 13179.1/50 | 12323.1/50 | 13829.1/50 | 13852.1/50 |
| Type | PK-TS/7/5,08/15 | PK-TS/7/5,08 | PK-TS/7/5,08-F/15 | PK-TS/7/5,08-F |
| Cat. no./Qty. p. pck. | 13180.1/50 | 12324.1/50 | 13830.1/50 | 13853.1/50 |
| Type | PK-TS/8/5,08/15 | PK-TS/8/5,08 | PK-TS/8/5,08-F/15 | PK-TS/8/5,08-F |
| Cat. no./Qty. p. pck. | 13181.1/50 | 12325.1/50 | 13831.1/50 | 13854.1/50 |
| Type | PK-TS/9/5,08/15 | PK-TS/9/5,08 | PK-TS/9/5,08-F/15 | PK-TS/9/5,08-F |
| Cat. no./Qty. p. pck. | 13182.1/50 | 12326.1/50 | 13832.1/50 | 13855.1/50 |
| Type | PK-TS/10/5,08/15 | PK-TS/10/5,08 | PK-TS/10/5,08-F/15 | PK-TS/10/5,08-F |
| Cat. no./Qty. p. pck. | 13183.1/50 | 12327.1/50 | 13833.1/50 | 13856.1/50 |
| Type | PK-TS/11/5,08/15 | PK-TS/11/5,08 | PK-TS/11/5,08-F/15 | PK-TS/11/5,08-F |
| Cat. no./Qty. p. pck. | 13184.1/25 | 12328.1/25 | 13834.1/25 | 13857.1/25 |
| Type | PK-TS/12/5,08/15 | PK-TS/12/5,08 | PK-TS/12/5,08-F/15 | PK-TS/12/5,08-F |
| Cat. no./Qty. p. pck. | 13185.1/25 | 12329.1/25 | 13835.1/25 | 13858.1/25 |
| Type | PK-TS/13/5,08/15 | PK-TS/13/5,08 | PK-TS/13/5,08-F/15 | PK-TS/13/5,08-F |
| Cat. no./Qty. p. pck. | 13186.1/20 | 12330.1/25 | 13836.1/25 | 13859.1/25 |
| Type | PK-TS/14/5,08/15 | PK-TS/14/5,08 | PK-TS/14/5,08-F/15 | PK-TS/14/5,08-F |
| Cat. no./Qty. p. pck. | 13187.1/25 | 12331.1/25 | 13837.1/25 | 13860.1/25 |
| Type | PK-TS/15/5,08/15 | PK-TS/15/5,08 | PK-TS/15/5,08-F/15 | PK-TS/15/5,08-F |
| Cat. no./Qty. p. pck. | 13188.1/25 | 12332.1/25 | 13838.1/25 | 13861.1/25 |
| Type | PK-TS/16/5,08/15 | PK-TS/16/5,08 | PK-TS/16/5,08-F/15 | PK-TS/16/5,08-F |
| Cat. no./Qty. p. pck. | 13189.1/25 | 12333.1/25 | 13839.1/25 | 13862.1/25 |
| Type | PK-TS/17/5,08/15 | PK-TS/17/5,08 | PK-TS/17/5,08-F/15 | PK-TS/17/5,08-F |
| Cat. no./Qty. p. pck. | 13190.1/25 | 12334.1/25 | 13840.1/25 | 13863.1/25 |
| Type | PK-TS/18/5,08/15 | PK-TS/18/5,08 | PK-TS/18/5,08-F/15 | PK-TS/18/5,08-F |
| Cat. no./Qty. p. pck. | 13191.1/25 | 12335.1/25 | 13841.1/25 | 13864.1/25 |
| Type | PK-TS/19/5,08/15 | PK-TS/19/5,08 | PK-TS/19/5,08-F/15 | PK-TS/19/5,08-F |
| Cat. no./Qty. p. pck. | 13192.1/25 | 12336.1/25 | 13842.1/25 | 13865.1/25 |
| Type | PK-TS/20/5,08/15 | PK-TS/20/5,08 | PK-TS/20/5,08-F/15 | PK-TS/20/5,08-F |
| Cat. no./Qty. p. pck. | 13193.1/25 | 12337.1/25 | 13843.1/25 | 13866.1/25 |
| Type | PK-TS/21/5,08/15 | PK-TS/21/5,08 | PK-TS/21/5,08-F/15 | PK-TS/21/5,08-F |
| Cat. no./Qty. p. pck. | 13194.1/25 | 12338.1/25 | 13844.1/25 | 13867.1/25 |
| Type | PK-TS/22/5,08/15 | PK-TS/22/5,08 | PK-TS/22/5,08-F/15 | PK-TS/22/5,08-F |
| Cat. no./Qty. p. pck. | 13195.1/25 | 12339.1/25 | 13845.1/25 | 13868.1/25 |
| Type | PK-TS/23/5,08/15 | PK-TS/23/5,08 | PK-TS/23/5,08-F/15 | PK-TS/23/5,08-F |
| Cat. no./Qty. p. pck. | 13196.1/25 | 12340.1/25 | 13846.1/25 | 13869.1/25 |
| Type | PK-TS/24/5,08/15 | PK-TS/24/5,08 | PK-TS/24/5,08-F/15 | PK-TS/24/5,08-F |
| Cat. no./Qty. p. pck. | 13197.1/25 | 12341.1/25 | 13847.1/25 | 13870.1/25 |
| Rating | IEC UL CSA | IEC UL CSA | IEC UL CSA | IEC UL CSA |
| Rated voltage V | 250 300 300 | 250 300 300 | 250 300 300 | 250 300 300 |
| Rated current A | 12 15 15 | 12 15 15 | 12 15 15 | 12 15 15 |
| Rated conductor cross-section mm ² / AWG | - 28-12 | - 28-12 | - 28-12 | - 28-12 |
| Rated surge voltage kV/Contamination degree | 4 3 | 4 3 | 4 3 | 4 3 |
| Gauge plug acc. to EN 60947-1 / Flammability class UL 94 | A3 V0 | A3 V0 | A3 V0 | A3 V0 |
| Contact spacing | 5,08 | 5,08 | 5,08 | 5,08 |
| For certifications and approvals | see page 302 | see page 302 | see page 302 | see page 302 |
| Conductor data | | | | |
| Single wire (solid)/Stranded (flexible) mm ² | 0,2-2,5 - | 0,2-2,5 - | 0,2-2,5 - | 0,2-2,5 - |
| Flexible/Flexible (with ADH acc. to DIN 46 228/1) mm ² | 0,2-2,5 0,2-2,5 | 0,2-2,5 0,2-2,5 | 0,2-2,5 0,2-2,5 | 0,2-2,5 0,2-2,5 |
| Contact wire range mm ² | 0,2-2,5 | 0,2-2,5 | 0,2-2,5 | 0,2-2,5 |
| Insulation stripping length mm | 6 | 6 | 6 | 6 |
| Features | | | | |
| Number of cross connection channels | | | | |
| Test pick-off feature | | | | |
| Accessories | | | | |
| Coding | K 2 | K 2 | K 2 | K 2 |
| Cat. no./Qty. p. pck. beige | 12003.9/100 | 12003.9/100 | 12003.9/100 | 12003.9/100 |
| Marking card BK | BK 1-12/5,08 | BK 1-12/5,08 | BK 1-12/5,08 | BK 1-12/5,08 |
| Cat. no./Qty. p. pck. | 2960.0/10 | 2960.0/10 | 2960.0/10 | 2960.0/10 |
| Marking card BK | BK 1-24/5,08 | BK 1-24/5,08 | BK 1-24/5,08 | BK 1-24/5,08 |
| Cat. no./Qty. p. pck. | 2961.0/10 | 2961.0/10 | 2961.0/10 | 2961.0/10 |
| Further accessories | | | | |

Further accessories like marking systems, test adapters, covers, end brackets etc. you can find on the pages for accessories specified below!

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