CombiTac
High voltage module 2.5 kV
CombiTacline | Industrial Connectors
4-pole high voltage module up to 2.5 kV for general industry, railway, and testing applications.

**Features:**
- Space saving 4-pole solution
- Railway compliant material
- Resistance to shock and vibrations
- Tool-free insertion of contacts in carrier

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Type</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>33.4118</td>
<td>CT-E1,5-4/HV-B</td>
<td>4-pole socket carrier</td>
</tr>
<tr>
<td>33.4518</td>
<td>CT-E1,5-4/HV-S</td>
<td>4-pole pin carrier</td>
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</tbody>
</table>

**Technical data**

- **Number of poles**: 4
- **For contact diameter**: 1.5 mm
- **Pollution degree / overvoltage category**: 2/CATII / 3/CATIII
- **Rated voltage IEC**: 2000 V AC / 2500 V DC / 1000 V AC/DC
- **Rated voltage UL**: 600 V AC/DC
- **Degree of protection (socket front)**: IP2X
- **Limiting temperature (IEC 61984), upper/lower**: +90 °C / −40 °C
- **Contact carrier material**: PA
- **Fire and smoke compliance**: EN 45545-2 (HL2 R22)

Assembly instructions MA213-05
www.staubli.com/electrical
**Ø 1.5 mm/HV**

For contact carrier CT-E1,5-4/HV-... Sockets fitted with MULTILAM.

**Type of termination:**
Crimp termination (C) for Cu high voltage conductors 0.5 – 1.5 mm²

**Note:**
- For rated voltage above 1000 V AC, 1500 V DC the connector must not be connected or disconnected when live or under load. Apply voltage only in mated condition.
- High voltage module 2.5 kV used up to max. 30 kHz. Only to be used with plastic rails (CT-BS Order No.: 33.5606-...).

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Type</th>
<th>Socket</th>
<th>Pin</th>
<th>Surface</th>
<th>Conductor cross section</th>
<th>Rated current</th>
<th>Type of termination</th>
</tr>
</thead>
<tbody>
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<td>CT-BP1,5/0,5-1,5-HV</td>
<td>×</td>
<td>×</td>
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<td>0.5</td>
<td>20</td>
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<tr>
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<td>CT-SP1,5/0,5-1,5-HV</td>
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<td>×</td>
<td></td>
<td>0.75</td>
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<td>×</td>
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<td>1.5</td>
<td>16</td>
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</tbody>
</table>

**Technical data**
- Nominal-Ø socket/pin: 1.5 mm
- Max. sliding force per contact: 4 N
- Contact resistance: < 1.3 mΩ
- Mating cycles: 100,000
- Vibrations and shock: IEC 61373 category 1B

**Required tools**
For extraction tool CT-AWZ-2,5HV, Order No. 33.3006 please refer to MA213-05.

**Assembly instructions MA213-05**
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Global presence of the Stäubli Group

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