TAKFAN

TAKFAN is Turkey’s leading company in the epoxy resin insulation which is among the leading companies in Europe and the World since 1999.

TAKFAN manufactures all types of plug-in bushings and monoblocks for distribution transformers and RMU bushings with all accessories in accordance with TSE, EN 50180, EN 50181, EN 50336, BS 2562, ENEL DJ 1107 / DJ 1109, and IEC 60137 norms. All the insert and conductive parts of the bushing and monoblock are manufactured with best quality material experienced in Turkey.

TAKFAN mission is with the skills of reliable company to increase continuous improvement. TAKFAN manufactures, all kind industrial products, high voltage and low voltage solutions in accordance with customer requirements and expectations shortest delivery time and immediate actions...

TAKFAN PRODUCT RANGES;

- Epoxy Resin Bushings
- RMU Bushings
- Air Insulated Bushings
- LV Monoblocks
- CT Terminals
TK Takfan epoxy resin bushings was product the requirements of IEC TS EN 50180, IEC TS EN 50181, IEC 60137.
DIMENSIONS OF INTERFACE CLASSIFICATION

Interface classifications and dimensions stated by IEC/EN 50181.

<table>
<thead>
<tr>
<th>Interface type</th>
<th>Contact type</th>
<th>Current rating (A)</th>
<th>RMS symm (kA)</th>
<th>Peak symm (kA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>Plug in socket</td>
<td>250</td>
<td>12.5</td>
<td>9.0</td>
</tr>
<tr>
<td>B1</td>
<td>Plug in socket</td>
<td>250</td>
<td>12.5</td>
<td>9.0</td>
</tr>
<tr>
<td>B2</td>
<td>Plug in socket</td>
<td>400</td>
<td>16.0</td>
<td>11.3</td>
</tr>
<tr>
<td>C1</td>
<td>Bolted</td>
<td>630</td>
<td>28.0</td>
<td>19.7</td>
</tr>
<tr>
<td>C2</td>
<td>Bolted</td>
<td>1250</td>
<td>75.0</td>
<td>53.0</td>
</tr>
<tr>
<td>D1</td>
<td>Bolted</td>
<td>800</td>
<td>50.0</td>
<td>35.3</td>
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<tr>
<td>D2</td>
<td>Bolted</td>
<td>1250</td>
<td>75.0</td>
<td>53.0</td>
</tr>
<tr>
<td>F1</td>
<td>Bolted</td>
<td>2500</td>
<td>-</td>
<td>-</td>
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<tr>
<td>F2</td>
<td>Bolted</td>
<td>630</td>
<td>28.0</td>
<td>19.7</td>
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<tr>
<td>F3</td>
<td>Bolted</td>
<td>1250</td>
<td>75.0</td>
<td>53.0</td>
</tr>
</tbody>
</table>
**FIXINGS FOR EQUIPMENT BUSHINGS**

Since 1999

---

**BLOCKS**

Suggested bolt torque 10-15 Nm

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**BUSHING FIXED BY**

Suggested bolt torque 10-15 Nm

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**FLANGE**

Suggested bolt torque 3-5 Nm

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DIN 42542
HD 506 S1

---

DIN 42538

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Suggested bolt torque M10 3-5 Nm, M16 8-10 Nm
TK 394 – TK 395/03/P

INTERFACE A1
Up to 24 kV - 250 A

USING FOR
Plug in Bushing could use inside of distribution Transformer with oil and other silicon cable connection using area.

• P- TYPE

• STANDART TYPE

STANDARDS
The plug in type bushings TK 394 – TK 395/03/P was product the requirements of IEC TS EN 50180, IEC TS EN 50181, IEC 60137.

DESIGN
- The equipment bushings are moulded epoxy insulated parts in accordance with IEC EN 50180.
- The TK394-03/-P bushings has a length B outside this standard.
- The standard bushings, TK394/TK394-03/TK395/TK395-03, are equipped with 6 tabs for the bail restraint.
- The TK394-P /TK394-03-P /TK395-P/TK395-03-P are equipped with 4 tabs and 2 pins inserts M6 (-P version).

TESTING
All type bushings test by TAKFAN’s Quality persons as %100 in TAKFAN Laboratory according to IEC 60137. Rank of tests as a belows;
- Dry power-Frequency voltage withstand test (55 kV/min.)
- Measurement of the partial discharge quantity
- Air leakage test (2 bars/min.)
- Cantilever load withstand test.
- Visual inspection and dimensional check

ORDERING INSTRUCTION
To order the equipment bushing, please inform us for type of bushings. The bushings are supplied with an earth cable or an earth plate. This earth connection must be specified when ordering.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Voltage Ur (kV)</th>
<th>Current Ir (A)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>TK394</td>
<td>12 - 24</td>
<td>250</td>
<td>223</td>
</tr>
<tr>
<td>TK394 - P</td>
<td>12 - 24</td>
<td>250</td>
<td>223</td>
</tr>
<tr>
<td>TK394 - 03</td>
<td>12 - 24</td>
<td>250</td>
<td>284</td>
</tr>
<tr>
<td>TK394 - 03P</td>
<td>12 - 24</td>
<td>250</td>
<td>284</td>
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<tr>
<td>TK395</td>
<td>12 - 24</td>
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<td>190</td>
</tr>
<tr>
<td>TK395 - P</td>
<td>12 - 24</td>
<td>250</td>
<td>190</td>
</tr>
<tr>
<td>TK395 - 03</td>
<td>12 - 24</td>
<td>250</td>
<td>171</td>
</tr>
<tr>
<td>TK395 - 03P</td>
<td>12 - 24</td>
<td>250</td>
<td>171</td>
</tr>
</tbody>
</table>
TK 975-1/TK 975-2 /TK 975-3
INTERFACE B,C
Up to 36kV - 400A

USING FOR
Plug in type bushing and bolted type bushing could use inside of distribution transformer with oil immersed and other silicon cable connection using area.

STANDARDS
The plug in type bushings TK 975-1/TK 975-2/TK 975-3 was product the requirements of IEC TS EN 50180, IEC TS EN 50181, IEC 60137.

DESIGN
• The equipment bushings are moulded epoxy insulated parts in accordance with IEC EN 50180.
• The standard bushings TK 975-1/TK 975-2/TK 975-3 are equipped with 4 tabs for the bail restraint.

TESTING
All type bushings test by TAKFAN’s Quality persons as %100 in TAKFAN Laboratory according to IEC 60137. Rank of tests as a belows;
• Dry power-Frequency voltage withstand test (72kV/1min.)
• Measurement of the partial discharge quantity
• Air leakage test (2 bars/min.)
• Cantilever load withstand test
• Visual inspection and dimensional check

ORDERING INSTRUCTION
To order the equipment bushing, please inform us for type of bushings. The bushings are supplied with an earth cable or an earth plate. This earth connection and bushing connection type must be specified when ordering.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Voltage Ur (kV)</th>
<th>Current Ir (A)</th>
<th>Contact Type</th>
<th>Interface</th>
</tr>
</thead>
<tbody>
<tr>
<td>TK 975-1</td>
<td>36</td>
<td>250</td>
<td>Sliding</td>
<td>B</td>
</tr>
<tr>
<td>TK 975-2</td>
<td>36</td>
<td>400</td>
<td>Sliding</td>
<td>B</td>
</tr>
<tr>
<td>TK 975-3</td>
<td>36</td>
<td>400</td>
<td>Bolted</td>
<td>C</td>
</tr>
</tbody>
</table>
TK 400-1, TK 400-2, TK 400-3, TK 400-4

INTERFACE B

Up to 36kV – 400A

**USING FOR**

Plug in type bushing and bolted type bushing could use inside of distrubition Transformer with oil immersed and other silicon cable connection using area.

**STANDARDS**

The Plug in Bushings TK 400-1,TK 400-2, TK 400-3 and TK 400-4 was product the requirements of IEC TS EN 50180 , IEC TS EN 50181, IEC 60137.

**DESIGN**

- The equipment bushings are moulded epoxy insulated parts in accordance with IEC EN 50180.
- The standard bushings, TK 400-1,TK 400-2,TK 400-3 and TK 400-4 are equipped with 6 tabs for the bail restraint.

**TESTING**

All type bushings test by TAKFAN’s Quality persons as %100 in TAKFAN Laboratory according to IEC 60137. Rank of tests as a belows;
- Dry power-Frequency voltage withstand test (72kV/1min.)
- Measurement of the partial discharge quantity
- Air leakage test (2 bars/min.)
- Cantilever load withstand test
- Visual inspection and dimensional check

**ORDERING INSTRUCTION**

To order the equipment bushing, please inform us for type of bushings. The bushings are supplied with an earth cable or an earth plate. 36kV/400A bushings are exigible plug in type or bolted type. This earth connection and bushing connection type must be specified when ordering.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Voltage Ur (kV)</th>
<th>Current Ir (A)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TK 400 - 1</td>
<td>12 - 24 - 36</td>
<td>400</td>
<td>A  244, B 89</td>
</tr>
<tr>
<td>TK 400 - 2</td>
<td>12 - 24 - 36</td>
<td>400</td>
<td>A  310, B 144</td>
</tr>
<tr>
<td>TK 400 - 3</td>
<td>12 - 24 - 36</td>
<td>400</td>
<td>A  332, B 159</td>
</tr>
<tr>
<td>TK 400 - 4</td>
<td>12 - 24 - 36</td>
<td>400</td>
<td>A  380, B 226</td>
</tr>
</tbody>
</table>
TK 630-1, TK 630-2, TK 630-3, TK 630-4

INTERFACE C1
Up to 36kV – 630A

USING FOR

Bolted type bushing could use inside of distribution Transformer with oil immersed and other silicon cable connection using area.

STANDARDS

The Plug in Bushings TK 630-1, TK 630-2, TK 630-3 and TK 630-4 was product the requirements of IEC TS EN 50180, IEC TS EN 50181, IEC 60137.

DESIGN

• The equipment bushings are moulded epoxy insulated parts in accordance with IEC EN 50180.
• The standard bushings, TK 630-1, TK 630-2, TK 630-3 and TK 630-4 are equipped without tab for the bail restraint.

TESTING

All type bushings test by TAKFAN’s Quality persons as %100 in TAKFAN Laboratory according to IEC 60137. Rank of tests as a belows;
• Dry power-Frequency voltage withstand test (72kV/1min.)
• Measurement of the partial discharge quantity
• Air leakage test (2 bars/min.)
• Cantilever load withstand test.
• Visual inspection and dimensional check

ORDERING INSTRUCTION

To order the equipment bushing, please inform us for type of bushings. The bushings are supplied with an earth cable or an earth plate. 36kV/630A bushings are exigible without tab or with 6 tabs for the bail restraint. This earth connection and bail restraint type must be specified when ordering.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Voltage Ur (kV)</th>
<th>Current Ir (A)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>TK 630 - 1</td>
<td>12 - 24 - 36</td>
<td>630</td>
<td>262</td>
</tr>
<tr>
<td>TK 630 - 2</td>
<td>12 - 24 - 36</td>
<td>630</td>
<td>332</td>
</tr>
<tr>
<td>TK 630 - 3</td>
<td>12 - 24 - 36</td>
<td>630</td>
<td>380</td>
</tr>
<tr>
<td>TK 630 - 4</td>
<td>12 - 24 - 36</td>
<td>630</td>
<td>398</td>
</tr>
</tbody>
</table>
TK 1250-1, TK 1250-2, TK 1250-3, TK 1250-4

INTERFACE C2
Up to 36kV – 1250A

USING FOR

Bolted type bushing could use inside of distribution Transformer with oil immersed and other silicon cable connection using area.

STANDARDS

The Plug in Bushings TK 1250-1, TK 1250-2, TK 1250-3 and TK 1250-4 was product the requirements of IEC TS EN 50180, IEC TS EN 50181, IEC 60137.

DESIGN

• The equipment bushings are moulded epoxy insulated parts in accordance with IEC EN 50180.
• The standard bushings, TK 1250-1, TK 1250-2, TK 1250-3 and TK 1250-4 are equipped without tab for the bail restraint.

TESTING

All type bushings test by TAKFAN’s Quality persons as %100 in TAKFAN Laboratory according to IEC 60137. Rank of tests as a belows;
• Dry power-Frequency voltage withstand test (72kV/1min.)
• Measurement of the partial discharge quantity
• Air leakage test (2 bars/min.)
• Cantilever load withstand test.
• Visual inspection and dimensional check

ORDERING INSTRUCTION

To order the equipment bushing, please inform us for type of bushings. The bushings are supplied with an earth cable or an earth plate. 36kV/1250A bushings are exigible without tab or with 6 tabs for the bail restraint. This earth connection and bail restraint type must be specified when ordering.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Voltage Ur (kV)</th>
<th>Current Ir (A)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>TK 1250 - 1</td>
<td>12 - 24 - 36</td>
<td>1250</td>
<td>262</td>
</tr>
<tr>
<td>TK 1250 - 2</td>
<td>12 - 24 - 36</td>
<td>1250</td>
<td>332</td>
</tr>
<tr>
<td>TK 1250 - 3</td>
<td>12 - 24 - 36</td>
<td>1250</td>
<td>380</td>
</tr>
<tr>
<td>TK 1250 - 4</td>
<td>12 - 24 - 36</td>
<td>1250</td>
<td>398</td>
</tr>
</tbody>
</table>
TK – RMU250

INTERFACE A
Up to 24 - 250 A

USING FOR
For use in equipment insulated with SF₆ gas.

STANDARDS
The plug in type bushings TK – RMU250 was product the requirements of IEC TS EN 50180, IEC TS EN 50181, IEC 60137.

DESIGN
- The equipment bushings are moulded epoxy insulated parts in accordance with IEC EN 50180.
- The TK-RMU250 bushing has a shank outside this standard, adapted for use in SF₆ gas.

TESTING
All type bushings test by TAKFAN’s Quality persons as 100% in TAKFAN Laboratory according to IEC 60137. Rank of tests as a follows:
- Dry power-Frequency voltage withstand test
- Measurement of the partial discharge quantity
- Air leakage test (2 bars/min.)
- Cantilever load withstand test.
- Visual inspection and dimensional check

ORDERING INSTRUCTION
To order the product bushings, simply specify the type.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Voltage Ur (kV)</th>
<th>Current Ir (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TK - RMU250</td>
<td>12 - 24</td>
<td>250</td>
</tr>
</tbody>
</table>
TK – RMU400/TK – RMU250-1

**INTERFACE B**

Up to 36kV - 400A

<table>
<thead>
<tr>
<th>USING FOR</th>
</tr>
</thead>
</table>

For use in equipment insulated with SF₆ gas.

<table>
<thead>
<tr>
<th>STANDARDS</th>
</tr>
</thead>
</table>

The plug in type bushings TK – RMU400/TK – RMU250-1 was product the requirements of IEC TS EN 50180, IEC TS EN 50181, IEC 60137.

<table>
<thead>
<tr>
<th>DESIGN</th>
</tr>
</thead>
</table>

- The equipment bushings are moulded epoxy insulated parts in accordance with IEC EN 50180.
- The TK – RMU400/TK – RMU250-1 bushing has a shank outside this standard, adapted for use in SF₆ gas.

<table>
<thead>
<tr>
<th>TESTING</th>
</tr>
</thead>
</table>

*All type bushings test by TAKFAN’s Quality persons as %100 in TAKFAN Laboratory according to IEC 60137. Rank of tests as a belows;*
- Dry power-Frequency voltage withstand test
- Measurement of the partial discharge quantity
- Air leakage test (2 bars/min.)
- Cantilever load withstand test.
- Visual inspection and dimensional check

<table>
<thead>
<tr>
<th>ORDERING INSTRUCTION</th>
</tr>
</thead>
</table>

To order the product bushings, simply specify the type.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Voltage Ur (kV)</th>
<th>Current Ir (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TK - RMU250-1</td>
<td>36</td>
<td>250</td>
</tr>
<tr>
<td>TK - RMU400</td>
<td>12 - 24 - 36</td>
<td>400</td>
</tr>
</tbody>
</table>
TK – RMU630 / TK RMU1250

INTERFACE C
Up to 36kV - 1250A

USING FOR
For use in equipment insulated with SF₆ gas.

STANDARDS
The plug in type bushings TK – RMU630/TK – RMU1250 was product the requirements of IEC TS EN 50180, IEC TS EN 50181, IEC 60137.

DESIGN

- The equipment bushings are moulded epoxy insulated parts in accordance with IEC EN 50180.
- The TK-RMU630/TK-RMU1250 bushing has a shank outside this standard, adapted for use in SF₆ gas.

TESTING
All type bushings test by TAKFAN’s Quality persons as %100 in TAKFAN Laboratory according to IEC 60137. Rank of tests as a follows:
- Dry power-Frequency voltage withstand test
- Measurement of the partial discharge quantity
- Air leakage test (2 bars/min.)
- Cantilever load withstand test
- Visual inspection and dimensional check

ORDERING INSTRUCTION
To order the product bushings, simply specify the type.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Voltage Ur (kV)</th>
<th>Current Ir (A)</th>
<th>Dia.D (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TK - RMU630</td>
<td>12 - 24 - 36</td>
<td>630</td>
<td>25</td>
</tr>
<tr>
<td>TK - RMU1250</td>
<td>12 - 24 - 36</td>
<td>1250</td>
<td>32</td>
</tr>
</tbody>
</table>
TK – A36-1/TK-A36-2/TK-A36-3
INTERFACE B,C
Up to 36kV - 630A

<table>
<thead>
<tr>
<th>USING FOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>For use in equipment insulated with air, typically for dry type transformers, motors, switchgear…</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>STANDARDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>The plug in type bushings TK – A36-1/TK-A36-2/TK-A36-3 was product the requirements of IEC TS EN 50180, IEC TS EN 50181, IEC 60137.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DESIGN</th>
</tr>
</thead>
<tbody>
<tr>
<td>• The equipment bushings are moulded epoxy insulated parts in accordance with IEC EN 50180.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TESTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>All type bushings test by TAKFAN’s Quality persons as %100 in TAKFAN Laboratory according to IEC 60137. Rank of tests as a belows; • Dry power-Frequency voltage withstand test • Measurement of the partial discharge quantity • Cantilever load withstand test • Visual inspection and dimensional check</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ORDERING INSTRUCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>To order the equipment bushing, please inform us for type of bushings. The bushings are supplied with an earth cable or an earth plate. This earth connection must be specified when ordering.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Voltage Ur (kV)</th>
<th>Current Ir (A)</th>
<th>D (mm)</th>
<th>Contact Type</th>
<th>Interface</th>
</tr>
</thead>
<tbody>
<tr>
<td>TK - A36 - 1</td>
<td>36</td>
<td>250</td>
<td>250</td>
<td>Sliding</td>
<td>B</td>
</tr>
<tr>
<td>TK - A36 - 2</td>
<td>12 - 24 - 36</td>
<td>400</td>
<td>400</td>
<td>Sliding</td>
<td>B</td>
</tr>
<tr>
<td>TK - A36 - 3</td>
<td>12 - 24 - 36</td>
<td>630</td>
<td>630</td>
<td>Bolted</td>
<td>C</td>
</tr>
</tbody>
</table>
TK-SM TAKFAN CAST RESIN
SINGLE PHASE MONOBLOCK

TECHNICAL SPECIFICATION

TK-SM Takfan cast resin single phase monoblock bushings 1 kV – 1250A/1600A/2500A/3150A oil/air for indoor and outdoor applications, according to BS 2562, EN50336 and ENEL DJ 1107 / DJ 1109.
**TK-SM 1kV/1250 A**

**SINGLE PHASE MONOBLOCK**

**BOLT (M8 x 45)**

**NUT (M8)**

**WASHER (A 9)**

**GASKET (Thickness: 6 mm NITRIL NH)**

**Transformer cover**

**TECHNICAL SPECIFICATIONS**

**TK-SM 1kV/1250A**

- Nominal Current: 1250A
- Nominal Voltage: 1 kV Dry Power
- Frequency: 10 kV Dry Lighting Impulse
- Withstand Voltage: 20kV Operating
- Temperature: -20°C to 100°C

**TK-SM 1kV/1600 A**

**SINGLE PHASE MONOBLOCK**

**BOLT (M8 x 45)**

**NUT (M8)**

**WASHER (A 9)**

**GASKET (Thickness: 6 mm NITRIL NH)**

**Transformer cover**

**TECHNICAL SPECIFICATIONS**

**TK-SM 1kV/1600A**

- Nominal Current: 1600 A
- Nominal Voltage: 1 kV
- Dry Power Frequency: 10 kV
- Dry Lighting Impulse Withstand Voltage: 20 kV Min Creepage
- Distance: 55 mm Max Operating Cantilever Load: 625 N
- Thermal Short Time Current Test: 16.5 kA
- Dynamic Short Circuit Current Withstand Test: 41 kA
- Operating temperature: -20°C to 100°C
TK-SM 1 kV/2000 A

**TECHNICAL SPECIFICATIONS**

**TK-SM 1kV/2000A**

Nominal current: 2000 A  
Nominal voltage: 1 kV  
Dry power frequency: 10 kV  
Dry lighting impulse withstand voltage: 20 kV  
Min creepage distance: 55 mm  
Max operating cantilever load: 1000 N  
Thermal short time current withstand test: 29 kA  
Dynamic short circuit current withstand test: 72.5 kA  
Operating temperature: -20°C÷100°C

TK-SM 1 kV/2500 A

**TECHNICAL SPECIFICATIONS**

**TK-SM 1kV/2500A**

Nominal current: 2500 A  
Nominal voltage: 1 kV  
Dry power frequency: 10 kV  
Dry lighting impulse withstand voltage: 20 kV  
Min creepage distance: 55 mm  
Max operating cantilever load: 1000 N  
Thermal short time current withstand test: 36 kA  
Dynamic short circuit current withstand test: 90 kA  
Operating temperature: -20°C÷100°C
ASSEMBLING INSTRUCTIONS

Upper Assembling Instructions can be used for TK-SM 1kV/1250A-1600A-2000A-2500A.

Assembling instructions:
Screw the 4xM8 nuts according to a cross sequence: 1-3-4-2
1st step: 2 Nm
2nd step: 5 Nm
3rd step: 12 Nm (max)
TK-SM 1 kV/3150 A

**TECHNICAL SPECIFICATIONS**

TK-SM 1kV/3150 A

- Nominal current: 2500 A
- Nominal voltage: 1 kV
- Dry power frequency: 10 kV
- Dry lighting impulse withstand voltage: 20 kV
- Operating temperature: -20°C÷100°C

**ASSEMBLING INSTRUCTIONS**

Assembling instructions:
- Screw the M8 M8 nuts according to a cross sequence 1-3-4-2.
- 1st step: 2 Nm
- 2nd step: 5 Nm
- 3rd step: 12 Nm (max)
TK-MN TAKFAN EPOXY RESIN MONOBLOCK

TK-MN Takfan epoxy resin monoblock 800A/1400A/1700A/2500A oil/air for indoor and outdoor applications, according to BS 2562, EN50336.
# GENERAL MONOBLOCK SELECTION TABLE

<table>
<thead>
<tr>
<th>Conductor Code</th>
<th>Cast Resin Monoblock Code</th>
<th>Conductor Details</th>
<th>Base Standard</th>
<th>Current (Max.)</th>
<th>T-Off</th>
</tr>
</thead>
<tbody>
<tr>
<td>TK-CU375-12</td>
<td>4 1</td>
<td>375 12</td>
<td>BS 2562</td>
<td>1700 A</td>
<td>1</td>
</tr>
<tr>
<td>TK-CU490-12</td>
<td>3 4 1 1</td>
<td>490 12</td>
<td>EN 50336</td>
<td>2500 A</td>
<td>2</td>
</tr>
<tr>
<td>TK-CU605-12</td>
<td>3 4</td>
<td>605 12</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>TK-CU720-12</td>
<td>3 4</td>
<td>720 12</td>
<td></td>
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<td>4</td>
</tr>
<tr>
<td>TK-CU375-20</td>
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<td>375 20</td>
<td>BS 2562</td>
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<tr>
<td>TK-CU490-20</td>
<td>3 4 1 1</td>
<td>490 20</td>
<td>EN 50336</td>
<td>2500 A</td>
<td>2</td>
</tr>
<tr>
<td>TK-CU605-20</td>
<td>3 4</td>
<td>605 20</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>TK-CU720-20</td>
<td>3 4</td>
<td>720 20</td>
<td></td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>
PRODUCTION

All the insert and conductive parts of the CT Terminals are manufactured with best quality material experienced in Turkey by TAKFAN.

TESTING

The terminal block shall be air pressure leak tested at 1 bar for 15 minutes, where there should be no signs of air leakage.
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