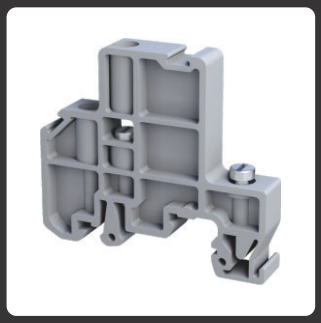
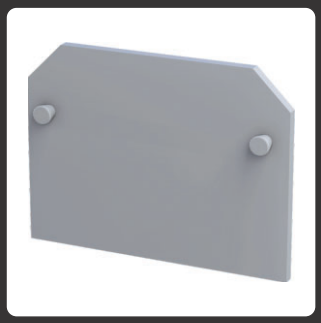
Terminal Block Accessories

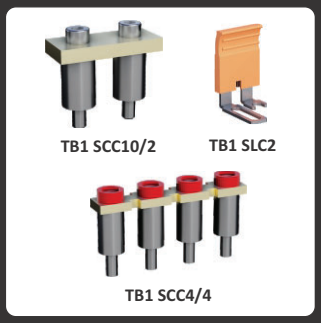


End Bracket
TB1 SS2 Grey

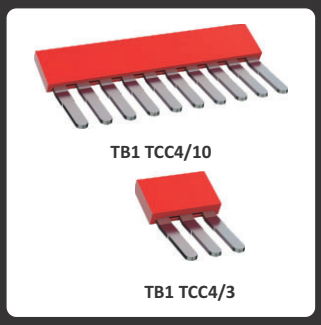


End Plate
TB1 EPL TBL2,5-10 Grey

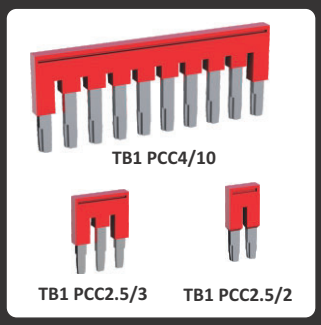
End Protective Cover
TB1 C-TBB 70-95-150



Cross Connections
TB1 SSC4/4;
TB1 SSC10/2; TB1 SLC2

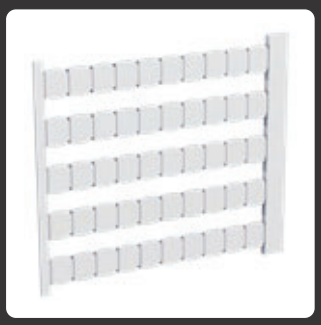


Comb Connector
TB1 TCC4/10; TB1 TCC4/10



Push-in Cross Connections
TB1 PCC 4/10; TB1 PCC2,5/3;
TB1 PCC2,5/2

Test Sockets
TB1 TST1; TB1 TST2;
TB1 TST4



Blank Marking Tags
TB1 MTG5...MTG10

Conductors

Aluminium and copper conductors are used for the connection of terminals, but copper conductors are used more frequently.
These conductors are divided into **two main categories**:

1. Rigid conductors
   a. Solid Strand
   b. Knitted Conductors
2. Fine Strand

Conductor cross sections are distinguished as metric and American standards.

Metric *mm²*	American *AWG/kcmil*	Equivalent Cross-Sec. *al area mm²*
0.2	24	0.205
0.34	22	0.324
0.5	20	0.519
0.75	18	0.82
1	-	-
1.5	16	1.3
2,5	1.4	2.1
4	12	3.3
6	10	5.3
10	8	8.4
16	6	13.3
25	4	21.2
35	2	33.6
50	0	53.5
70	00	67.4
95	000	85
-	0000	107.2
120	250 kcmil	127
150	300kcmil	152
185	350 kcmil	177
240	500 kcmil	253
300	600 kcmil	304

AWG: *(American Wire Gauge) American standard of Measure*
1 kcmil: *1000 cmils*
1 cmil: *(1 circular mil) the area of a circle with a Width of one mil*
1 mil: *1/1000 inch*

Clearance & Creepage Distances

If the corresponding clearance distance is less than 3 mm, the smallest groove width may be reduced to 1/3 of this clearance distance.The measuring methods of clearance and creepage distances are revealed in IEC 60947-1 EKG. Projections decrease the creepages with a high level. Therefore, the clearance which has a projection higher than 2mm can be decreased with 80%. (Figure 1).

Tbloc terminals has pollution degree 3 according to IEC 60947-1 standard. “Conductive pollution or dry, non-conductive pollution occurs liable to be rendered conductive through anticipated moisture condensation.

Degree of Soiling	Min. Width “x” in mm
1	0.25
2	1.0
3	1.5
4	2,5

Figure 1

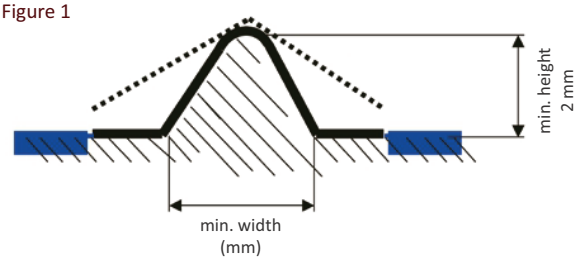
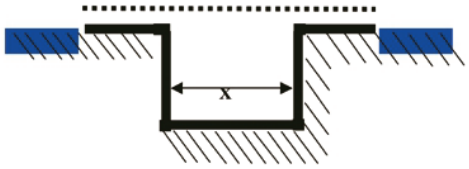


Figure 1



Clearance distances

Creepage distances