

» III. CONNECTION BOXES



III. CONNECTION BOXES

Connection box TB, NTB C€



APPLICATION:

To connect mains cables and electrical protection of street lighting luminaires mounted on columns and poles.

Can be used in all columns and poles, where internal diameter is greater than 95 mm.

TECHNICAL INFORMATION:

- protection degree: IP 54,
- insulation class II,
- voltage: 500V,
- current: 80A,
- fuse: D01/E14, 2-16A, 400V, AC
- material:
 - integrated terminal strip – made of PTB material (butylene polyterephthalate), with high insulation parameters and high mechanical resistance,
 - connection cover and clamp/cable protection – made of transparent polycarbonate,
 - connection box base – made of polycarbonate reinforced by fiberglass, cable opening/outlets are protected with gaskets,
- mounting: installed on the aluminium rail on the back wall of the column using two screws M6,
- casing dimensions 274 mm x 90 mm x 74 mm (for TB-11, TB-12: 274 mm x 89 mm x 64 mm).

ADVANTAGES:

- small dimensions,
- fast, easy mounting due to structural solutions,
- connection boxes type TB and NTB can accept 3 cables, for connection boxes type TB-11 and TB-12 2 cables,
- easy cable installation due to construction of terminal strip (open from the top).



Connection box
Installed in
aluminium column



Connection box installed
In plastic coated pole

III. CONNECTION BOXES

» Connection box TB

TB-1 and TB-2

CHARACTERISTIC:

- connection box with 4 tracks for feeding cables with cross-section from 4 x 10 mm² up 4 x 35mm² (max. 3 cables),
- TB-1 – one fuse,
- TB-2 – two fuses.

In connection box TB-1 with fuse-socket installed on L1 phase, fuse-socket can be changed into L3 phase removing two bolts. This allows splitting of load into particular phases.



Connection box TB-1

Connection box TB-1 (view without upper cover)



Dimension of connection box type TB-1 and TB-2 [mm]

Type of connection box	Fuse sockets quantity	Code	Weight [kg]
TB-1	1	324010	0,71
TB-2	2	324020	0,74

TB-11 and TB-12

CHARACTERISTIC:

- connection box with 4 tracks for feeding cables with cross-section from 4 x 10 mm² up 4 x 35 mm² (max. 2 cables),
- TB-11 – one fuse,
- TB-12 – two fuses.
- Casing dimensions 274 mm x 89 mm x 64 mm
- **simplified installation** of cables ensure easier and more ergonomic operation,
- **smaller size** of new models provides more use opportunities,
- usage of 3 sockets for fuses in terminal strip allow **splitting of load uniformly into phases** (fuse socket can be changed appropriate to connection box NTB)



Connection box TB-11

Connection box TB-11 (view without upper cover)



Dimension of connection box type TB-11 and TB-12 [mm]

Type of connection box	Fuse sockets quantity	Code	Weight [kg]
TB-11	1	324011	0,67
TB-12	2	324012	0,70

III. CONNECTION BOXES

Connection box NTB



CHARACTERISTIC:

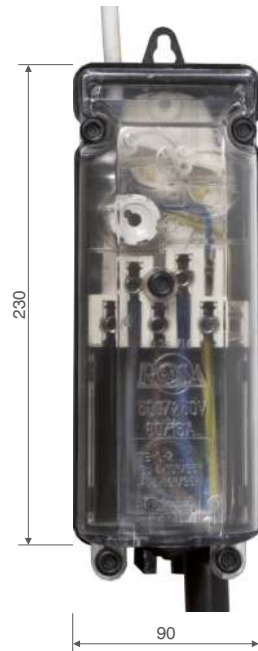
- connection boxes 5 tracks for feeding cables with cross-section from 5 x 6 mm² up to 5 x 16mm² (max. 3 cables),
- NTB-1 – one fuse,
- NTB-2 – two fuses,
- NTB-3 – three fuses.

In connection box NTB-1 with fuse-sockets installed on L1 phase fuse-socket can be changed into phase L2 or L3 by removing two bolts.

It allows splitting of load into particular phases.

In connection box NTB-2 with two fuse sockets installed on phase L1 and L2 the fuse socket can be changed from phase L1 or L2 into phase L3 by screwing-out two bolts.

In connection box NTB-3 the fuse-sockets be constructed on three phase L1, L2, L3.



Connection box type NTB-1



Connection box NTB-1 (view without upper cover)



fuse-sockets can be changed in connection box NTB-1



Dimensions of connection box type NTB-1, NTB-2, NTB-3 [mm]



Type of fuse socket	Code	Weight [kg]
Fuse socket D01/E14 6A	322006	0,01
Fuse socket D01/E14 10A	322010	0,01
Fuse socket D01/E14 16A	322016	0,01

Type of connection box	Fuse sockets quantity	Code	Weight [kg]
NTB-1	1	324110	0,70
NTB-2	2	324120	0,73
NTB-3	3	324130	0,76