

## 1 Pair STB Terminal Box



HY-30202A  
1 Pair STB Terminal Box  
without protection



HY-30202B  
1 Pair STB Terminal Box  
with overvoltage protection

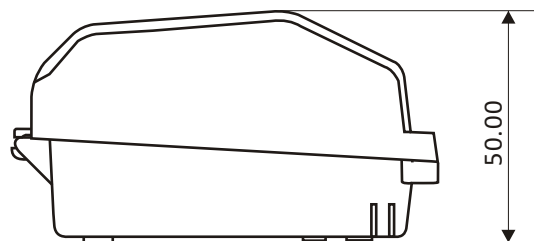
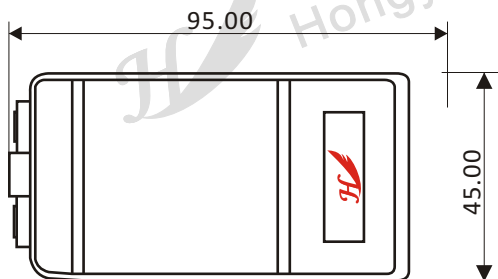


HY-30202C  
1 Pair STB Terminal Box  
with PTC&GDT protection

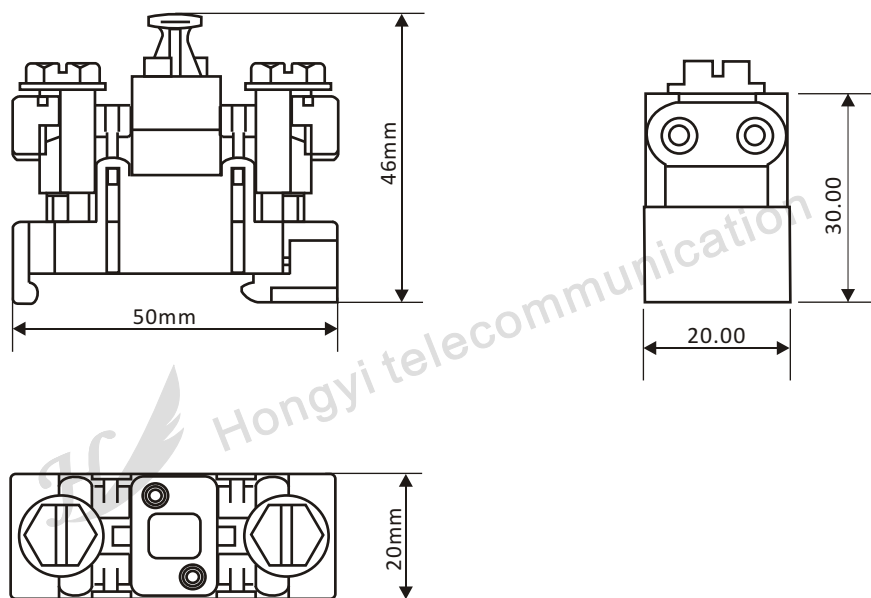
### Description

The terminal block of connection adapts for connecting the distributive wires of external and internal padding. Its construction provides the possibility of conducting the control measurements of the connected chains before both directions. Box provides protection from the environmental effects.

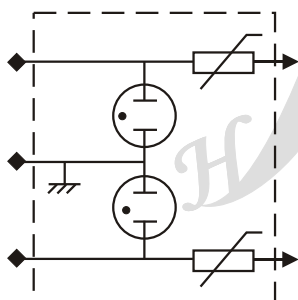
The terminal block of connection consists of housing and cover of rectangular form, and also 5- polar unit of connection, fixed on the housing. Cover is fixed beyond the axis common with the housing; however, it can be isolated from the housing for guaranteeing the convenience in the work due to the squeezed conditions. The introduction of wires is accomplished through the detachable stuffing boxes, which ensure the possibility of applying the wires of different sizes. Fastening wires is accomplished by the metallic screws, located inside the unit of connection.



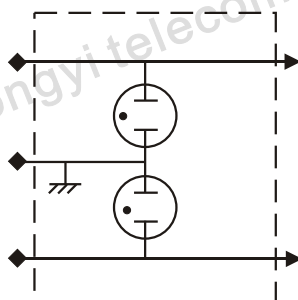
## CONNECTOR OUTLINE DRAWING



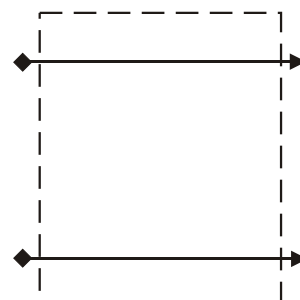
## PLUG/PROTECTION DIAGRAMS



5 point protection plug



3 point protection plug



Continuity plug

## Applications and feature:

1. STB is a high reliability connection module, designed to with stand all existing climates.
2. Watertight by design, it provide the best service for the following applications:
  - Interface boxes UG/Aerial Networks
  - Distribution points
  - Customer termination devices.
3. Fits on DIN 35 rails
4. Very compact, overall dimensions allow to replace existing won protected solution by a high reliability solution
5. No special tool required, only by standard screw driver.

## Specifications

### Contact characteristics

Drop wire connector:

Gauge range 0.4 to 1.0mm  $\phi$

insulation diameter: 5.0mm max  $\phi$

Pair connector:

Gauge range 0.4 to 1.0mm  $\phi$

insulation diameter: 3.0mm max  $\phi$

## Current conducting capacity

20A 10A per connector for 10 minutes at least without causing deformation of the module  
( if  $>20A$  up to 30A is required, this is possible using a different GDT)

## Insulation resistance

Dry atmesphere	$>10^{12} \Omega$
Damp atmesphere(ASTMD618)	$>10^{12} \Omega$
Salt fog(ASTMB117)	$>10^{12} \Omega$
Immersion in water (15 days in 3% NaCl solution)	$>10^{12} \Omega$

## Contact resistance

$$R_{\text{Material}} + R_{\text{bridge contacts}} + R_{\text{wire contacts}} < 10m \Omega$$

## Increase in contact resistance

After climatic tests	$<2.5m \Omega$
After 50 reinsertions	$<2.5m \Omega$
Dielectric strength	$>3000 \text{ Vdc}$ for 1 minutes

## Mechanical characteristics

Pair/drop wire housing screw	Special passivated direct+lacquered zamac alloy
Drop wire housing body	Transparent polycarbonate
Body	Flame retardant (UL94) glass-fiber reinforced polycarbonate
Insertion contacts	Tinned phosphor bronze
Ground contacts	Cu-Zn-Ni-Ag alloy
Lower sealant	Epoxy resin
Upper cable sealant	Silicone filled
Pair/drop wire bearing cover	Polycarbonate
Continuity contacts	Tinned hard brass
Pair/drop wire bearing cover	Polycarbonate
Plug-in module body	Flame retardant (UL 94) glass-fiber reinforced polycarbonate
Plug-in module sealant	Gel
"O"-Ring	EPDM
Spring	Stainless steel
Cable/drop wire membrane	Thermoplastic rubber