TB06 Terminal Module

TB06 Terminal Block Module

The TB06 Terminal Block Module is a module which connects, through a standard cable, to any port of Velocio PLCs. This module does nothing more than provide larger screw terminal connections for the IO port

The eight connections on each PLC IO port are connected, pin to pin to the same position on the screw terminal block.

This module mounts to a 15mm DIN rail, or over two appropriately spaced screws. The DIN rail mount of this module, along with other terminal block modules, is illustrated on the right.

The TB06 Terminal Module comes with a Terminal Cable. This cable can be used to connect the module to the PLC. The cable is 18 inches long. You can cut this to the length that you wish, for panel neatness (remembering that you can cut again, but you can't add back). Once you have the required cable length, strip the cable covering back approximately 1.25 inches to expose the eight wires in the cable (4 pairs). Untwist the pairs, so you've got eight individual color coded wires.
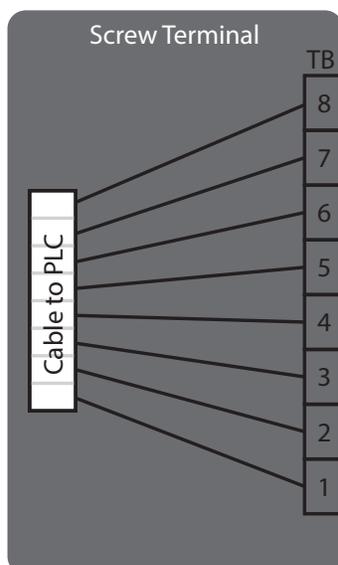
Strip the insulation from each wire to expose about 1/8 inch length of 22 AWG solid copper wire. Push the wires into a port connector, which comes with the PLC, in the sequence shown on the right. Tug on each wire to confirm that it is pushed in and captured.

If you make a mistake and put the wrong wire in a position, use a Velocio connector tool (screwdriver) to extract the wire. Push the blade into the rectangular hole associated with the wire position, with the wide orientation of the blade aligned with the wide length of the hole. This will release the connector's spring clamp. Gently pull the wire out and then remove the blade.

The cable will connect any PLC IO port, using the connector that you have just wired. It will connect to the Terminal Block module with the connector pre-installed on the other end of the cable.

shown with
large, circular holes up

Specifications :

◊ **Part Number**
TB06   Terminal Block Module

◊ **Screw Terminals :**
Spacing   3.5mm
Wire size   26 to 16 AWG

◊ **Mounting :**
DIN rail option :
        standard 15mm DIN rail (snap)
Mounting screw option :
        over two #6 screws, placed 1.5 inches apart

Screw Terminal
TB
8
7
6
5
4
3
2
1
Cable to PLC