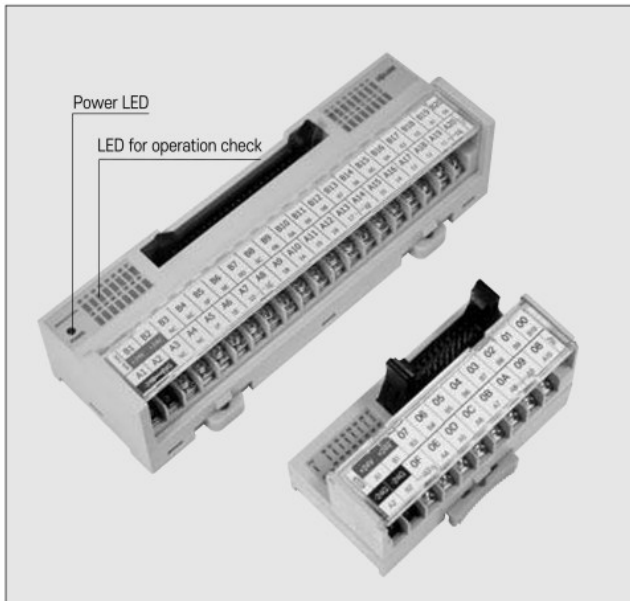# TG7-L Series (Interface terminal block with LED indicator for operation check)

Standard terminal block for input/output that makes it easy to check the operation of remote I/O



Power LED

LED for operation check

## ■ Features

- **LED indicator-mounted input/output interface terminal block**
  - If the distance between the controller and the I/O is far and it is not easy to check the transmission and reception of signals, it is possible to check the I/O with the LED blinking easily
- **Easy for working and maintenance**
  - Convenience of workability, maintenance and repair by using a hinge-typed transparent T/B cover
  - Very high workability with a structure that does not come off even when the T/B bolt is completely loosened.
  - Installation is very easy due to the DIN rail mounting structure
- **Structure with excellent environmental resistance and safety**
  - As this is an integration type in which PCB is not exposed to the outside, it has an electrically safe structure such as dust, moisture, etc. and flame retardant material is used for external case
- **Usage**
  - Ideal for systems and remote I/Os that require frequent I/O checks

## ■ Model configuration

TG7 - 1H40 L - N - □
❶        ❷  ❸  ❹  ❺

❶ 7.0mm pitch, smallest interface terminal block
❷ Applicable connector specifications and number of terminal poles
❸ IO indication LED mounting type
❹ Input side common polarity
❺ Applicable terminal bolt

## ■ Model selection

| Model | | IO points | Common polarity | Mounting connector model | Cable side connector model | Dimension (W*D mm) | Mounting method |
|---|---|---|---|---|---|---|---|
| For "Y" terminal | For "O" terminal | | | | | | |
| TG7-1H20L-N | TG7-1H20L-N-O | 16Point | NPN ⊕COM | HIF3BA-20PA-2.54DSA1 | HIF3BA-20D-2.54R | 80.0 * 40.0 | DIN Rail (Channel) |
| | | | | XG4A-2031 | XG4M-2030 | | |
| TG7-1H20L-P | TG7-1H20L-P-O | | PNP ⊖COM | HIF3BA-20PA-2.54DSA | HIF3BA-20D-2.54R | | |
| | | | | XG4A-2031 | XG4M-2030 | | |
| TG7-1H40L-N | TG7-1H40L-N-O | 32Point | NPN ⊕COM | HIF3BA-40PA-2.54DSA | HIF3BA-40D-2.54R | 152.3 * 49.5 | |
| | | | | XG4A-4031 | XG4M-4030 | | |
| TG7-1H40L-P | TG7-1H40L-P-O | | PNP ⊖COM | HIF3BA-40PA-2.54DSA | HIF3BA-40D-2.54R | | |
| | | | | XG4A-4031 | XG4M-4030 | | |

※ Mounting connectors are compatible products and are subject to change without notice.

## ■ General specification

| Rated voltage | 12~24V DC |
|---|---|
| Rated current | 1A |
| Operation display | IO : LED (Red) / Power : LED (Green) |
| LED rating | 24V DC : 100mA max. / Point |
| Insulation resistance | 500MΩ or more (DC 500V) |
| Withstand voltage | AC500V 1min |
| Suitable wire | AWG22~16 (1.5㎟/MAX) |
| Terminal screw | M3 × 10L |
| Screw torque | 7~8Kgf·cm (0.68~0.78N·m) |
| Ambient temperature | -10℃ ~ +50℃ (No condensation) |

## ■ Material

| Terminal block, cover | Modified PPO |
|---|---|
| Protection cover | Polycarbonate |
| Board | Epoxy 1.6t |

## ■ Applicable crimp terminal specifications



MIN3 MAX6

MIN5.8 MAX4.2

MIN3 MAX6

MIN5.8 MAX4.2
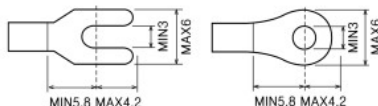
## ■ Applicable cable specifications

When ordering, please indicate for TG7-1H20L(1H40L)-□ connection cables between various PLCs and our I/O LINK terminal block.