TGF series (Detachable I/O interface terminal unit with LED indicator)
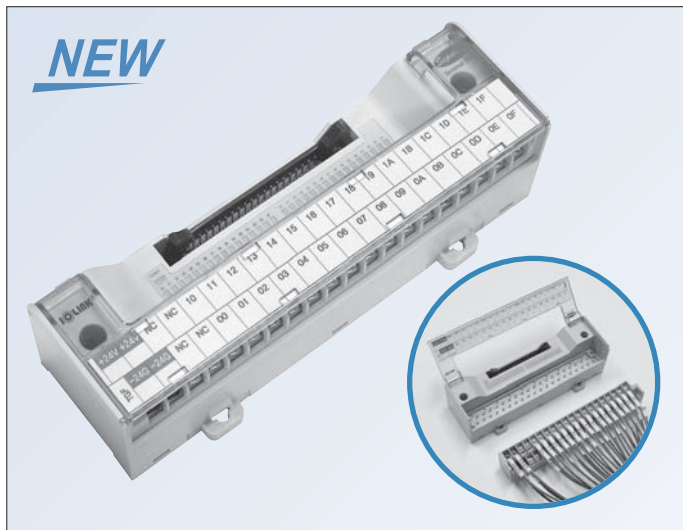
Detachable 40p terminal unit with which checking operation of I/O is simple.

NEW

■ Features

• **Detachable 40p terminal block**
  Wiring independent T/B makes easy to installation and need not to re−wiring on replacement.

• **LED attached interface terminal for PLC input/output**
  It is possible to check I/O by the flickering state of LED indicator.
  It is very usefull in case that conrtoller is far from I/O unit.

• **Environmental durability and excellent structure for safety**
  As this is an integration type in which PCB is not exposed to outside, it is an electrically safe structure for dust, moisture etc, and fire retardant material is used for outer case.

■ Model Composition

TGF − 1H40 L − □
❶   ❷   ❸   ❹

❶ TGF series − Detachable I/O interface terminal unit
❷ Applicable Connector Specification and the Number of Terminal poles
❸ With LED indicator
❹ Polarity of input side common(NPN or PNP)

■ Model Selection

Model	No. of I/O	Common	Mounted connector Model	Cable connector Model	Demension (W*D mm)	Mounting method
TGF−1H40L−N	32Point	NPN	HIF3BA−40PA−2.54DSA	HIF3BA−40D−2.54R	163*49.5	DIN Rail or Screw (Channel)
			XG4A−4031	XG4M−4030		
TGF−1H40L−P		PNP	HIF3BA−40PA−2.54DSA	HIF3BA−40D−2.54R		
			XG4A−4031	XG4M−4030		

※ Mounted connector can be changed into a compatible product without advance notice.

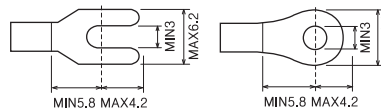## ■ Characteristics

Rated voltage	12~24V DC
Rated current	1A
Indication	I/O : LED(Red), Power : LED(Green)
LED rating	24V DC : 100mA max. / Point
Insulation resistance	More than 100MΩ (DC 500V)
Dielectric Strength	AC500V 1min
Applicable wire	1.25㎟/MAX
Terminal Screw	M3 × 6L
Terminal Screw	1.2N·m(12Kgf·cm)
Screw torque	−10℃ ~ +50℃ (No condensation)

■ Materials

Case	Modified PPO
Cover	Polycarbonate
P.C.B	Epoxy 1.6t

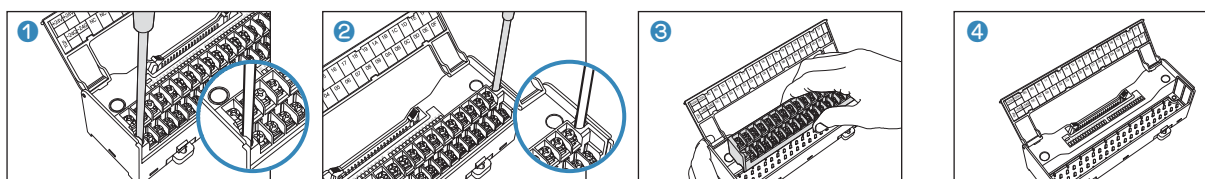## ■ Applicable crimp terminal

MIN3 MAX6.2
MIN5.8 MAX4.2

MIN3 MAX6.2
MIN5.8 MAX4.2

■ Applicable Cable Specification

Please describe as "For TGF−1H40L−□" when ordering.
For the selection of detailed specification, refer to the page 16)

■ Replacing Terminal Block

❶ ❷ ❸ ❹

Detaching : Loosen left and right side screw for combine Terminal Block, then Pulling Terminal Block upwards.
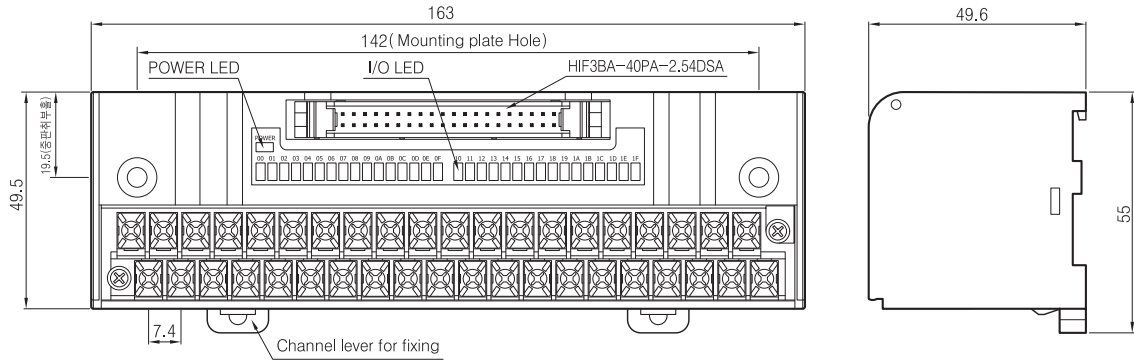Mounting : Plug Terminal Block on the base, then fasten screws for combine Terminal Block.
※ Warning : Please fasten a screw firmly. Otherwise loose contact occurs.

Detachable 40p terminal unit with which checking operation of I/O is simple.

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■ Dimension

163
142(Mounting plate Hole)
POWER LED   I/O LED   HIF3BA−40PA−2.54DSA
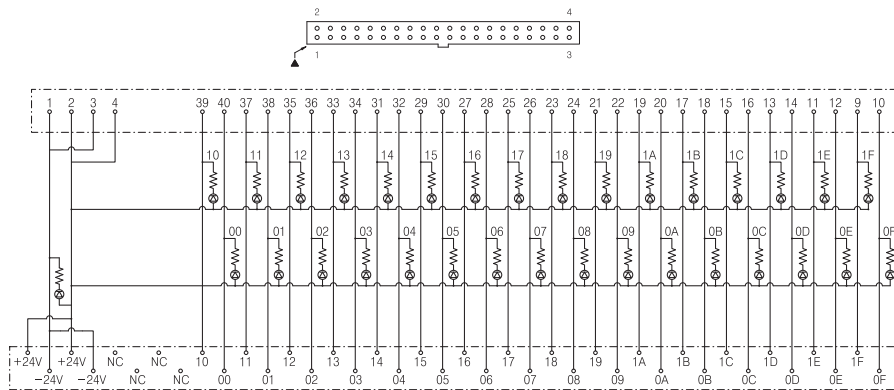49.6
49.5
55
7.4
Channel lever for fixing

■ Wiring diagram

* TGF-1H40L-N(NPN)   ⊕COM

* TGF-1H40L-P(PNP)   ⊖COM