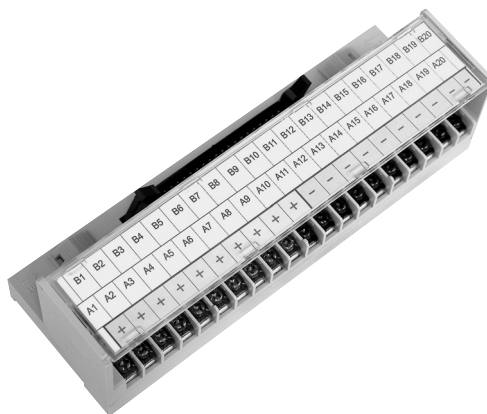


TG7-C Series Common One-body Terminal Block

User's Guide



Thank you for purchasing product of SAMWON ACT.

Please check model of product that you purchase first, and read this manual prior to use it.

• Caution for Safety

⚠ Caution Case that results in serious damage in human body or equipment, and fire if user handles this equipment wrongly

⚠ Warning Case that results in slight damage in human body or equipment, and fire if user handles this equipment wrongly

⚠ Caution

1. When machining and wiring the mounting hole, do not allow foreign matter such as dust or wire covering to enter the connection terminal. Failure to do so may result in damage to the unit, heat, or ignition.
2. Be sure to shut off the power supply from the outside before mounting and wiring.

※ The connection cable for PLC of various makers is provided by us. Please refer to the catalogue or contact Head or branch office if you need more detail models and specifications.

⚠ Warning

1. Use within the specified temperature range, ($-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$) Damage to the outer case may occur.
2. Use within the specified rated voltage (AC, DC125V) and rated current (1A) range.
This may result in fire or damage to the product.
3. Use the specified wire (1.25mm²/MAX) and Applicable crimp terminal.
It may occur malfunction due to faulty contact.
4. Read this user's guide which is attached to product, and check product's nominal, characteristics, specification, wiring diagram and how to handle prior to use.
5. Please make sure to check the internal wiring diagram of the terminal block and the arrangement of the controller PIN (terminal) when making the connection cable between the controller (PLC etc.).
It may be the cause of malfunction or damage of this equipment and user's.

● Model Selection

Model		No. of Poles	Common	Mounted connector Model	Cable connector Model	Dimensions (W×Dmm)	Mounting method
"Y"terminal	"O"terminal						
TG7-1H40CA	TG7-1H40CA-O	40(I/O) 20(COM)	Left side 10P+/ Right side 10P- Common	HIF3BA-40PA-2.54DSA XG4A-4031	HIF3BA-40D-2.54R XG4M-4030	149.0 × 50.0	Screw mounting/ DIN Rail (Channel)
TG7-1H40CB	TG7-1H40CB-O		Common None. (20P Short bar built)	HIF3BA-40PA-2.54DSA XG4A-4031	HIF3BA-40D-2.54R XG4M-4030		
TG7-4F40CA	TG7-4F40CA-O		Left side 10P+/ Right side 10P- Common	FCN-364P040-AU 1747053-1	FCN-367J040-AU 1903404-1		
TG7-4F40CB	TG7-4F40CB-O		Common None. (20P Short bar built)	FCN-364P040-AU 1747053-1	FCN-367J040-AU 1903404-1		

● Characteristics/Material

Rated voltage	125V AC / 24V DC	
Rated current	IO	1A
	Common	10A (Total)
Insulation resistance	100MΩ or above (DC 500V)	
Dielectric strength	AC500V 1min	
Applicable wire	AWG22~16 (MAX / 1.5mm)	
Terminal Screw	M3 × 10L	
Screw torque	7~8Kgf・cm (0.68~0.78 N・m)	
Ambient temperature	-10℃ ~ +50℃ (No condensation)	
Terminal	Modified PPO	
Protective cover	Polycarbonate	
P.C.B	Epoxy 1.6t	

● Accessories

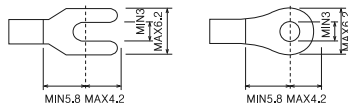
TG7- □ 40CB

Built-in short bar for 20Pin so that users can arbitrarily configure common arrangement

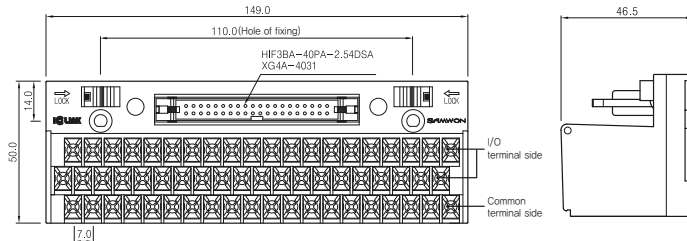


(User cuts the short bar with a nipper, etc.)

● Applicable crimp terminal

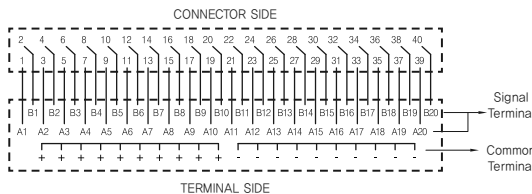


● Dimension

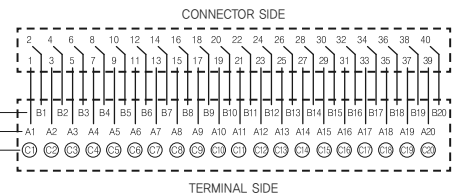


● Diagram

* TG7-1H40CA Diagram



* TG7-1H40CB Diagram



⚠ Warning Please check the positions of Signal terminal and Common terminal on the terminal block side before wiring.

* The above specifications are subject to change without notice.

* Please contact HQ or branch office where you purchased product for A/S of this product or technique.



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