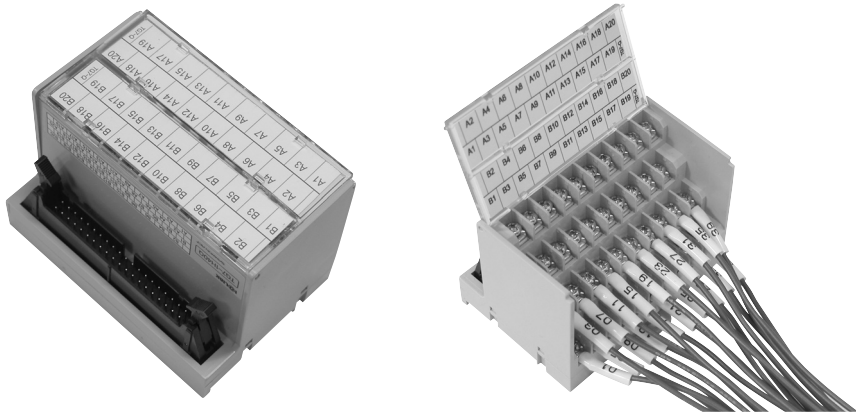


TG7-1H40Q Domestically Smallest Screw type, 32Points 40P Terminal Block

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℃ ~ +50℃) Damage to the outer case may occur.
2. Use within the specified rated voltage and rated current range.
This may result in fire or damage to the product.
3. 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.
4. 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	Use	Mounted connector Model	Cable connector Model	Dimensions (W×Dmm)	Mounting method
"Y"terminal	"O"terminal						
TG7-1H40Q	TG7-1H40Q-O	40	Q, XGT PLC (A, B for wiring)	HIF3BA-40PA-2.54DSA or XG4A-4031	HIF3BA-40D-2.54R or XG4M-4030	80.0 × 55.0	DIN Rail (Channel)
TG7-1H40QB	TG7-1H40QB-O		MASTER K (Sequential arrangement for wiring)				

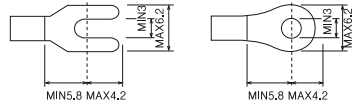
● Characteristics

Rated voltage	125V AC / 24V DC
Rated current	1A
Insulation resistance	100MΩ or above (DC 500V)
Dielectric strength	AC500V 1min
Applicable wire	AWG22~16 (MAX / 1.5mm ²)
Terminal Screw	M3 X 10L
Screw torque	7~8kgf·cm (0.68~0.78 N·m)
Ambient temperature	-10°C ~ +50°C (No condensation)

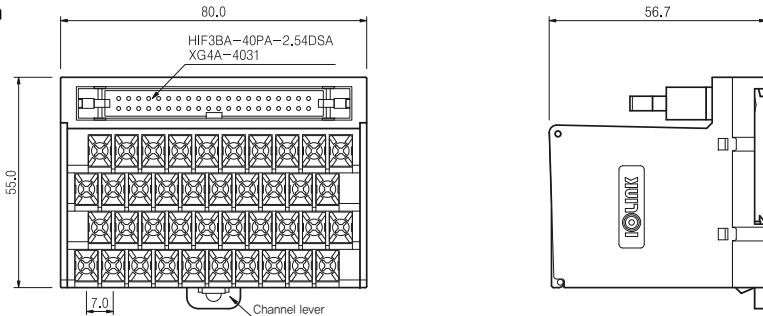
● Material

Terminal	Modified PPO
Protective cover	Polycarbonate
P.C.B	Epoxy 1.6t

● Applicable crimp terminal

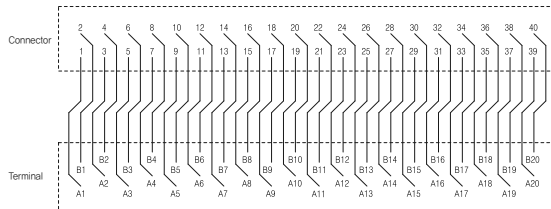


● Dimension

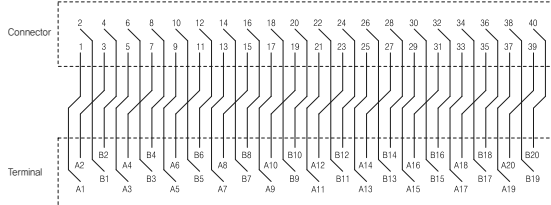


● Diagram

● TG7-1H40Q (Applicable when I/O arrangement is column A column B wiring like Mitsubishi Q, LS, XGT Series)



● TG7-1H40QB (Applicable when I/O arrangement is sequential like LS MASTER K Series)



※ 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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