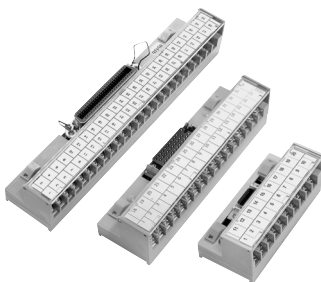


TG Series

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°C ~ +50°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. 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 Configuration

TG – 3M20S – □

①

②

③

- ① 7.62mm Pitch interface terminal block
- ② Applicable connector specifications and No. of terminal Poles
- ③ Dedicated terminal bolt

• Model Selection

| Model | | No. of Poles | Mounted connector | Mounted connector Model | Cable connector Model | Dimensions (W*Dmm) | Mounting method |
|-------------|-------------|--------------|-------------------|-------------------------|-----------------------|--------------------|---|
| "Y"terminal | "O"terminal | | | | | | |
| TG-3M20S | | 20 | MDR Socket | 10220-6202JL | 10120-3000PE(VE) | 85,0 × 40,0 | Screw mounting DIN Rail (Channel) |
| TG-2M34B | TG-2M34B-O | 34 | MR Socket | MR-34RFD2 | MR-34M | 140,0 × 40,0 | |
| TG-2M50A | TG-2M50A-O | 50 | MR Plug | MR-50RMD2 | MR-50F | 200,0 × 40,0 | |
| TG-9D50 | TG-9D50-O | | 57GE | 57GE-40500-751 | 57E-30500 | | |

※ TG-3M20S is a compressed terminal for both "Y" and "O".

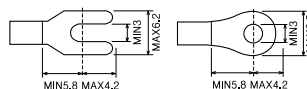
• Characteristics

| | |
|-----------------------|-------------------------------------|
| Rated voltage | 125V AC / 24V DC |
| Rated current | 1A |
| Insulation resistance | 100MΩ or above (DC 500V) |
| Dielectric strength | AC 500V 1min |
| Applicable wire | AWG22~16 (1.5mm ² / MAX) |
| 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

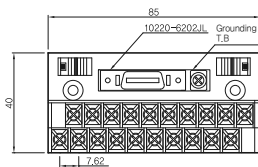
| | |
|------------------|---------------|
| Terminal | Modified PPO |
| Protective cover | Polycarbonate |
| P,C,B | Epoxy 1.6t |

• Applicable crimp terminal

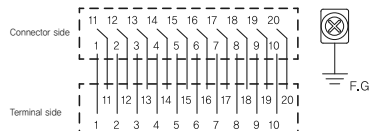


• Dimension

• TG-3M20S

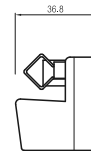
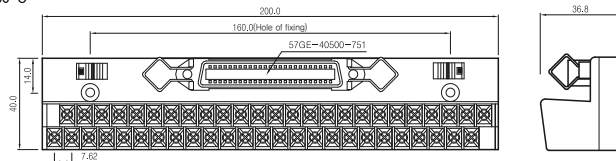


• Diagram

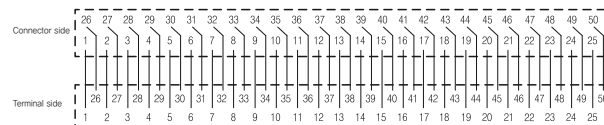


• Dimension

• TG-9D50
TG-9D50-O

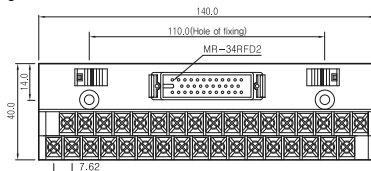


• Diagram

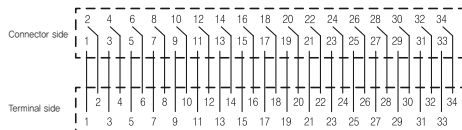


• Dimension

• TG-2M34B
TG-2M34B-O

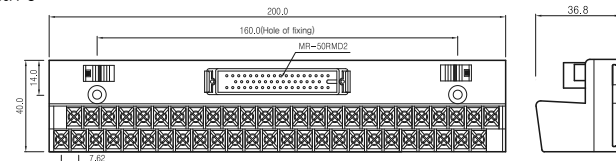


• Diagram

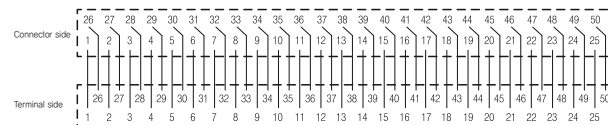


• Dimension

• TG-2M50A
TG-2M50A-O



• Diagram



※ 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.