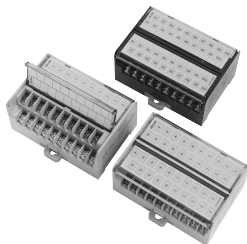


MTB Series

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 If you don't follow the rules, it may result in serious damage to equipment, fire, or personal accident.

⚠ Warning If you don't follow the rules, damage such as minor device damage or injury may occur.

⚠ 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 arrangement of the +, − when wiring.
It may be the cause of malfunction or damage of this equipment and user's.

• Model Configuration

MTB – COM20D □

① ② ③

- ① 7.0mm Pitch Built-in board type terminal block at both ends
- ② Wiring classification and No. of terminal Poles
- ③ Common terminal configuration

• Model Selection

Model	No. of Poles	Common terminal configuration	Dimensions (W * D mm)	Mounting method
MTB-2X20	40Pole (20 * 2)	A – B Common	80.0 * 55.0	DIN Rail (Channel)
MTB-COM20DA		Upper · lower terminal block upper row 20P(+) Upper · lower terminal block bottom row 20P(−) Common		
MTB-COM20DB		Upper · lower terminal block left column 20P(+) Upper · lower terminal block right side column 20P(−) Common		

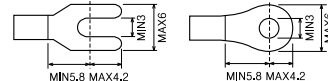
• Characteristics

Model	MTB-2X20	MTB-COM20DA	MTB-COM20DB
Rated voltage	250V AC / 24V DC		
Rated current	3A (Pole)	10A (Total)	
Insulation resistance	100MΩ or above (DC 500V)		
Dielectric strength	AC500V 1min		
Applicable wire	AWG22~16 (MAX / 1.5mm ²)		
Terminal Screw	M3 X 7L		
Screw torque	7~8kgf・cm (0.68~0.78 N・m)		
Ambient temperature	-10℃ ~ +50℃ (No condensation)		

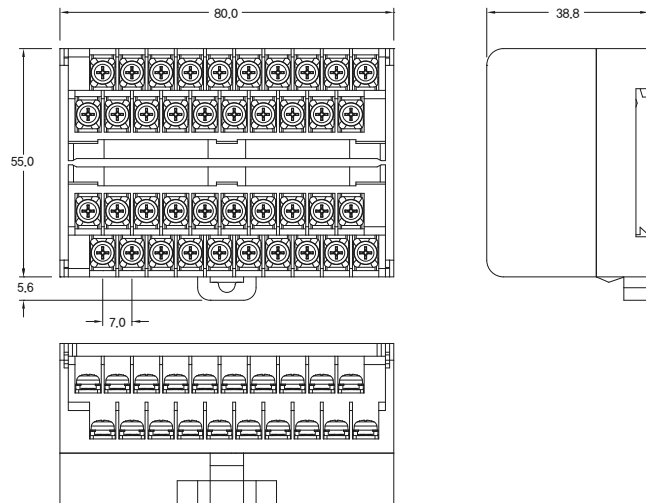
• Material

Terminal	Modified PPO
Protective cover	Polycarbonate
P.C.B	Epoxy 1,6t

• Applicable crimp terminal

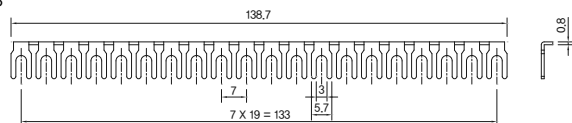


● Dimension



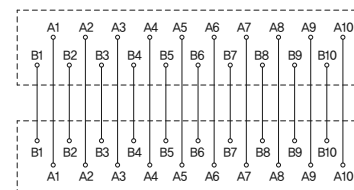
● Short bar (Separate product)

• STB-20P

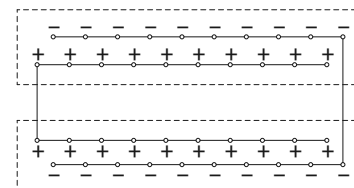


● Diagram

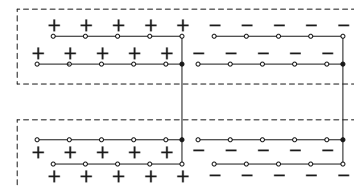
• MTB-2X20



• MTB-COM20DA



• MTB-COM20DB



※ 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.

Major products

- Relay terminal 1, 2, 4, 6, 8, 16, 32point
- Interface terminal 20, 24, 26, 34, 40, 50, 57, 40 x 2pole
- PLC I/O Connecting cables MITSUBISHI, LSIS, CIMON, OMRON, FUJI, YOKOGAWA, HITACHI, SIEMENS, AB, etc.
- Servo Connecting cables Encoder cable, Power cable, Motion cable / MITSUBISHI, YASKAWA, OMRON, PANASONIC, , LSIS, SAMSUNG, etc.
- Wiring harness / Special cable assembly



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