

SM-S7-300T SIEMENS Push-typed Front Connector

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 diagram and the arrangement of the controller PIN (terminal) when wiring.
It may be the cause of malfunction or damage of this equipment and user's.

• Model Configuration

SM – S7–300 T

① ② ③

- ① SIEMENS connector module
- ② Apply S7–300 Series PLC
- ③ Apply Push-typed Terminal Block

• Model Selection

Model	Connection Point	Mounted connector	Use
SM-S7-300T	40	Screwless Terminal (Push type)	S7-300 PLC 40Pin Front connector

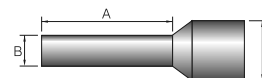
• Rating/Specification

Rated voltage	250V
Rated current	3A
Insulation resistance	100MΩ or above (DC 500V)
Dielectric strength	AC500V 1min
Applicable wire	0.5~1.5mm ² / AWG 20~16
Wire stripping length	8mm
Ambient temperature	−10℃ ~ +50℃ (No condensation)

• Material

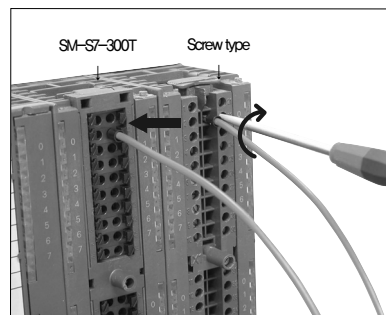
Terminal	PA66
Pin header	Copper, Tin plated
Wire guard	Stainless steel
Cover	PBT
P.C.B	Epoxy 1.6t

• Ferrule Selection



AWG/mm ²	DIN46228	Other	A(mm)	B(mm)	C(mm)
20/0.5	White	White/Orange	8.0	1.3	3.2
18/0.75	Gray	Blue/White	8.0	1.5	3.4
17/1.0	Red	Red/Yellow	8.0	1.7	3.6

• Work comparison (Work comparison between screw type and S7-300T)

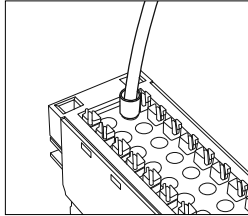
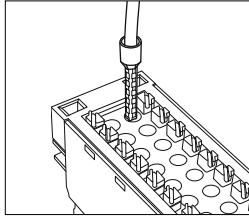


In case of SM-S7-300T, just insert in the left arrow direction to complete wiring, but screw type is wired using a tool as shown in the right arrow, so the workability of SM-S7-300T is much better.

• How to connect and remove wires

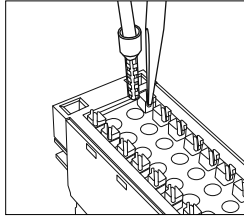
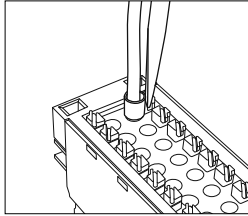
– When connecting wires

Insert without tools after crimping the ferrule suitable for the wire.
(It can be used without crimping in case of a solid wire.)

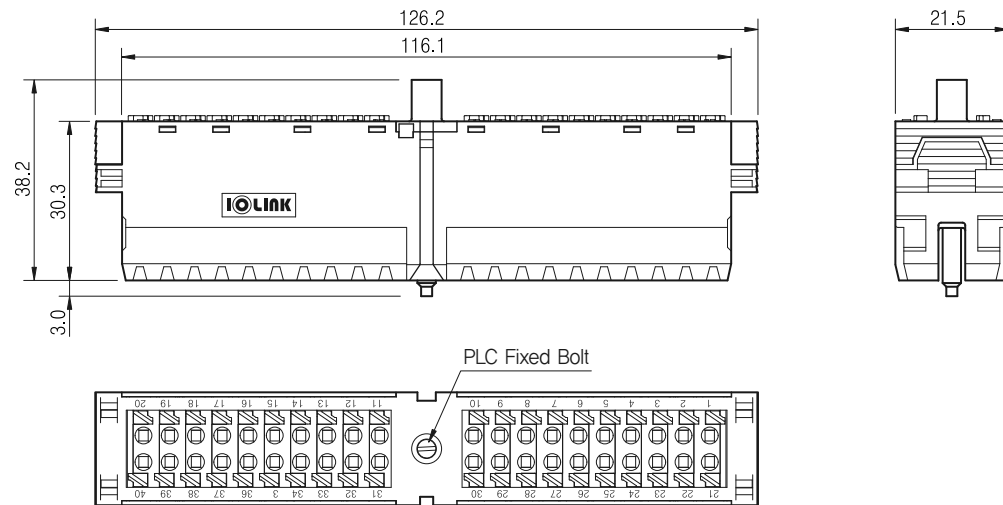


– When removing wires

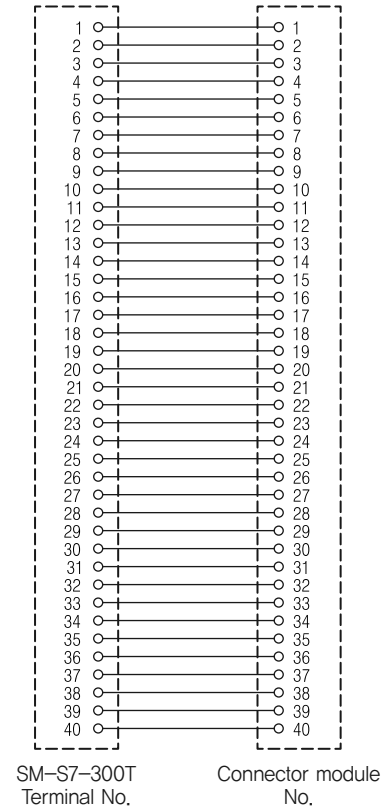
Using a flat-head screwdriver, pull out the wire while pressing the wire disconnect button.



• Dimension



• Wiring 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.

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