

# SM-S7-300 Series SIEMENS Connector Module

## User's Guide



• SM-S7-300A(B)



• SM-S7-300H(J)

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, 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

**SM - S7-300** □

① ② ③

- ① SIEMENS connector module
- ② Apply S7-300 Series PLC
- ③ No. of I/O point and specifications

### • Model Selection

Model	IO Point(s)	No. of Poles	Mounted connector	Mounted connector Model	Cable connector Model	Use
SM-S7-300A	32Point	40	MIL Standard	HIF3BA-20PA ~2.54DSA*2	Power LED, Power Diode	Digital I/O only
SM-S7-300B					None	Digital I/O, analog
SM-S7-300H	16Point	20		XG4C-2031	Power LED, Power Diode	Digital I/O only
SM-S7-300J					None	Digital I/O, analog

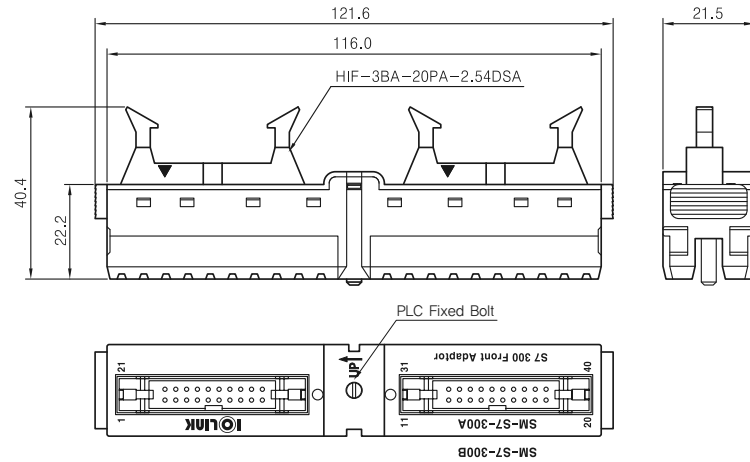
※ Mounted connector can be changed into a compatible product without advance notice.

### • Table of cable for the connection of SIEMENS S7-300 Series PLC card

PLC CARD MODEL	PLC Connector module	IO Point(s)	When using terminal blocks for both input and output				When using relay board for output						
			Terminal	Qua nti ty	Applicable cable	Qua nti ty	Relay terminal	Qua nti ty	Applicable cable	Qua nti ty			
6ES7 321-1BL00-0AA0	SM-S7-300A	32 (入)		1	R40HH- □ SM	1							
6ES7 323-1BL00-0AA0	SM-S7-300B	32 (入出)											
6ES7 331-1KF01-0AB0	SM-S7-300B	40P ANALOG											
6ES7 332-5HF00-0AB0													
6ES7 322-1BL00-0AA0	SM-S7-300A SM-S7-300B	32 (出)	XTB-40H TG7-1H40Q SR-1H40S SA-1H40 SE-1H40	1	R40HH- □ SM	1	R32C-YPT R32C-YPT-V R32C-PS5A-40P R32C-PS5A-V R32G-PT R32J-PT	1	R40HH- □ SM-RP	1			
6ES7 322-1BP00-0AA0		64 (出)									2	C40HF- □ SB-2	1
										C40HF- □ SB-3		1	C40HF- □ SB-SMP3
6ES7 321-1BP00-0AA0		64 (入)								2	C40HF- □ SB-2	1	
					C40HF- □ SB-3	1							
6ES7 321-1BH02-0AA0	SM-S7-300H	16 (入)	TG-1H20S SE-1H20I SA-1H20	1	C20HH- □ SM	1							
6ES7 323-1BH00-0AA0	SM-S7-300J	16 (入出)											
6ES7 331-7KF02-0AB0	SM-S7-300J	20P ANALOG											
6ES7 331-7KB02-0AB0													
6ES7 332-5HD01-0AB0													
6ES7 332-5HB01-0AB0													
6ES7 334-0CE01-0AA0													
6ES7 322-1BH01-0AA0	SM-S7-300H SM-S7-300J	16 (出)											R16C-YPT R16C-YPC R16C-PS5A-20P R16C-PS5A-34P

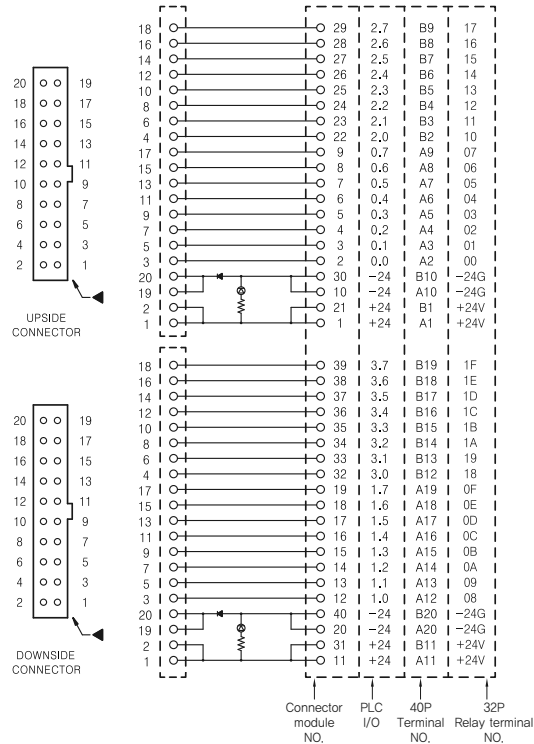
## • Dimension

### • SM-S7-300A(B)

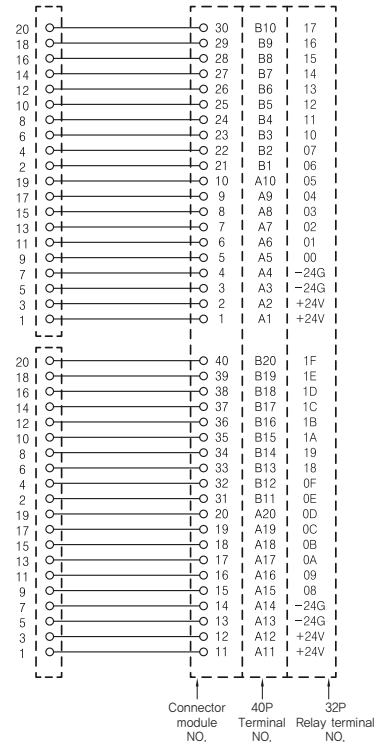


## • Wiring Diagram

### • SM-S7-300A

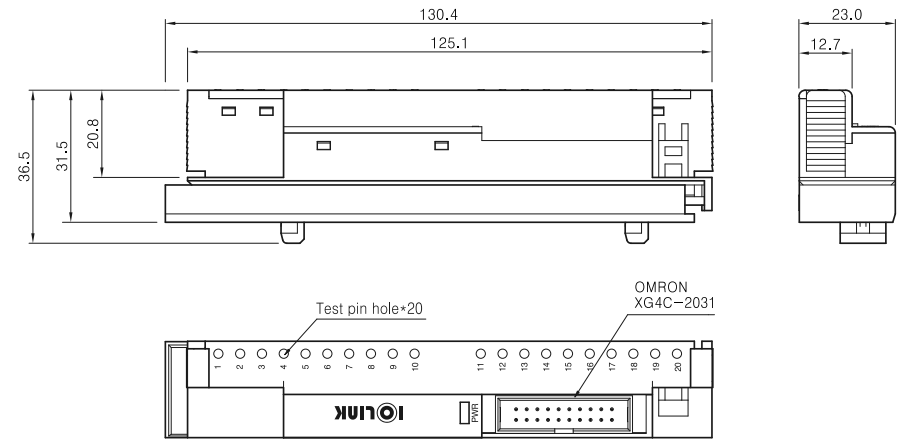


### • SM-S7-300B



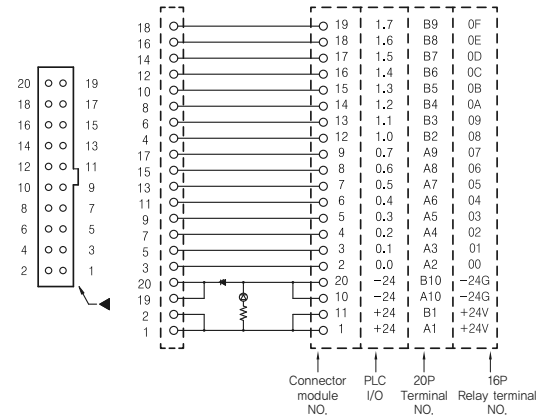
## • Dimension

### • SM-S7-300H(J)

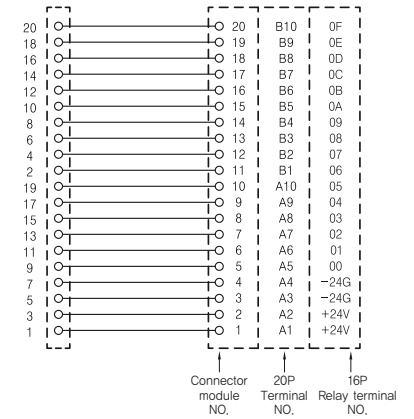


## • Wiring Diagram

### • SM-S7-300H



### • SM-S7-300J



※ 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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