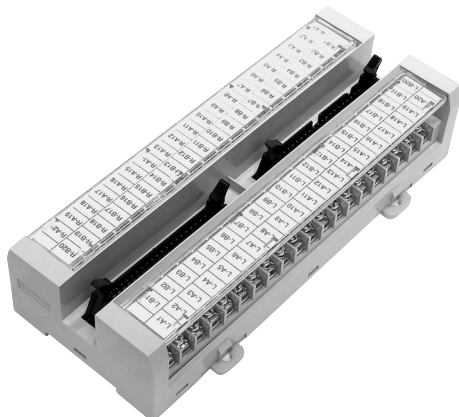


ULTRA 64Points Simultaneously Mounting I/O Terminal Block

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. ($-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$) 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 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**



- ① 7.62mm Pitch Ultra-type 64-point interface terminal block
- ② Applicable connector specifications and No. of terminal Poles
- ③ Applicable terminal bolt

- **Model Selection**

Model	No. of Poles	Mounted connector	Mounted connector Model	Cable connectorModel	Dimensions	Mounting method
SE-1H80D	80 (40 × 2)	MIL Standard	HIF3BA-40PA-2,54DSA × 2	HIF3BA-40D-2,54R × 2	173.6 × 70.0	DIN Rail (Channel)
			XG4A-4031 × 2	XG4M-4030 × 2		
SE-4F80D		FCN 360	FCN-364P040-AU × 2	FCN-367J040-AU × 2		
			1747053-1 × 2	1903404-1 × 2		

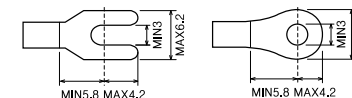
- **Characteristics**

Rated voltage	125V AC / 24V DC
Rated current	1A
Insulation resistance	100M Ω or above (DC 500V)
Dielectric strength	AC500V 1min
Applicable wire	AWG22~16 (1.5mm ² / MAX)
Terminal Screw	M3 X 6L
Screw torque	7~8kgf $\cdot$ cm (0.68~0.78 N $\cdot$ 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



- **mitsubishi plc [melsec series]**

PLC Model	I/O CARD	IO Point(s)	Card Quantity	When using terminal blocks for both input and output			
				Terminal	Quantity	Applicable Cable	Quantity
Q	QX41	32(入)	2	SE-1H80D	1	C40HF-□ PH-1	2
	QX42	64(入)	1	SE-1H80D	1	C40HF-□ PH-1	2
	QY41P	32(出)	2	SE-1H80D	1	C40HF-□ PH-1	2
	QY42P	64(出)	1	SE-1H80D	1	C40HF-□ PH-1	2
	QX81	32(入)	2	SE-1H80D	1	C37HD-□ PH-MI1	2
	QX82	64(入)	1	SE-1H80D	1	C40HF-□ PH-1	2
	QY81P	32(出)	2	SE-1H80D	1	C37HD-□ PH-MI1	2
	QY82	64(出)	1	SE-1H80D	1	C40HF-□ PH-1	2
A1S	A1SX41	32(入)	2	SE-1H80D	1	C40HF-□ PH-1	2
	A1SX42	64(入)	1	SE-1H80D	1	C40HF-□ PH-1	2
	A1SY41	32(出)	2	SE-1H80D	1	C40HF-□ PH-1	2
	A1SY42	64(出)	1	SE-1H80D	1	C40HF-□ PH-1	2
	A1SH42	32(入) 32(出)	1	SE-1H80D	1	C40HF-□ PH-1	2
	A1SX81	32(入)	2	SE-1H80D	1	C37HD-□ PH-MI3	2
	A1SX82	64(入)	1	SE-1H80D	1	C40HF-□ PH-1	2
	A1SY81	32(出)	2	SE-1H80D	1	C37HD-□ PH-MI3	2
	A1SY82	64(出)	1	SE-1H80D	1	C40HF-□ PH-1	2
A	AX42	64(入)	1	SE-1H80D	1	C40HF-□ PH-1	2
	AY42	64(出)	1	SE-1H80D	1	C40HF-□ PH-1	2
	A1SH42	32(入) 32(出)	1	SE-1H80D	1	C40HF-□ PH-1	2

● LS IS PLC [GLOFA, XGT Series]

PLC Model	I/O CARD	IO Point(s)	Card Quantity	When using terminal blocks for both input and output			
				Terminal	Quantity	Applicable Cable	Quantity
GM4 MK-300	G4I-D24A	32(入)	2	SE-1H80D	1	C37HD-□ PH	2
	G4Q-TR4A	32(出)	2	SE-1H80D	1	C37HD-□ PH	2
	G4I-D24B	32(入)	2	SE-1H80D	1	C37HD-□ PH	2
	G4Q-TR4B	32(出)	2	SE-1H80D	1	C37HD-□ PH	2
	G4I-D28A	64(入)	1	SE-1H80D	1	C40HF-□ PH-1A	1
	G4I-D28A	64(入)	1	SE-1H80D	1	C40HF-□ PH-3	1
GM6 MK-200	G6I-D24A	32(入)	2	SE-1H80D	1	C37HD-□ PH	2
	G6Q-TR4A	32(出)	2	SE-1H80D	1	C37HD-□ PH	2
	G6I-D24B	32(入)	2	SE-1H80D	1	C37HD-□ PH	2
	G6Q-TR4B	32(出)	2	SE-1H80D	1	C37HD-□ PH	2
	G3I-D28A	64(入)	1	SE-1H80D	1	C40HF-□ PH-3	2
	G3Q-TR8A	64(出)	1	SE-1H80D	1	C40HF-□ PH-3	2
GM1/2/3 MK-1000	G3Q-TR8B	64(出)	1	SE-1H80D	1	C40HF-□ PH-3	2
	XGI-D24A	32(入)	2	SE-1H80D	1	C40HF-□ PH-1	2
	XGQ-TR4A	32(出)	2	SE-1H80D	1	C40HF-□ PH-1	2
XGT	XGI-D24B	32(入)	2	SE-1H80D	1	C40HF-□ PH-1	2
	XGQ-TR4B	32(出)	2	SE-1H80D	1	C40HF-□ PH-1	2
	XGI-D28A	64(入)	1	SE-1H80D	1	C40HF-□ PH-1	2
	XGQ-TR8A	64(出)	1	SE-1H80D	1	C40HF-□ PH-1	2
	XGI-D28B	64(入)	1	SE-1H80D	1	C40HF-□ PH-1	2
	XGI-D28B	64(入)	1	SE-1H80D	1	C40HF-□ PH-1	2
	XGQ-TR8B	64(出)	1	SE-1H80D	1	C40HF-□ PH-1	2
	XGQ-TR8B	64(出)	1	SE-1H80D	1	C40HF-□ PH-1	2

● OMRON PLC [SYSMAC C, CJ1 Series]

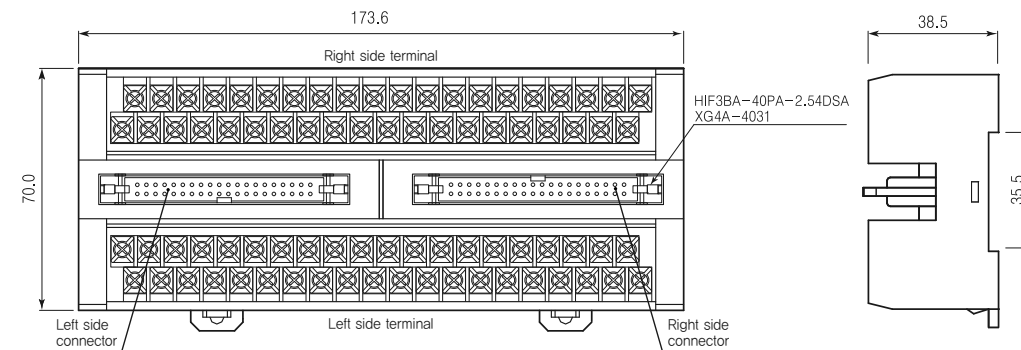
PLC Model	I/O CARD	IO Point(s)	Card Quantity	When using terminal blocks for both input and output			
				Terminal	Quantity	Applicable Cable	Quantity
C200H	C200H-ID216	32(入)	2	SE-1H80D	1	C40HF-□ PH-3	2
	C200H-ID218	32(入)	2	SE-1H80D	1	C40HF-□ PH-3	2
	C200H-OD218	32(出)	2	SE-1H80D	1	C40HF-□ PH-3	2
	C200H-ID111	64(入)	1	SE-1H80D	1	C40HF-□ PH-1	1
	C200H-ID111	64(入)	1	SE-1H80D	1	C40HF-□ PH-3	1
	C200H-ID217	64(入)	1	SE-1H80D	1	C40HF-□ PH-1	1
	C200H-ID217	64(入)	1	SE-1H80D	1	C40HF-□ PH-3	1
	C200H-ID219	64(入)	1	SE-1H80D	1	C40HF-□ PH-1	1
CJ1W	C200H-OD219	64(出)	1	SE-1H80D	1	C40HF-□ PH-3	1
	CJ1W-ID231	32(入)	2	SE-1H80D	1	C40HF-□ PH-3	2
	CJ1W-ID261	64(入)	1	SE-1H80D	1	C40HF-□ PH-1	1
	CJ1W-ID261	64(入)	1	SE-1H80D	1	C40HF-□ PH-3	1
	CJ1W-OD231	32(出)	2	SE-1H80D	1	C40HF-□ PH-3	2
	CJ1W-OD261	64(出)	1	SE-1H80D	1	C40HF-□ PH-1	1
	CJ1W-OD261	64(出)	1	SE-1H80D	1	C40HF-□ PH-3	1
	CJ1W-ID232	32(入)	2	SE-1H80D	1	C40HH-□ PHH	2
	CJ1W-ID262	64(入)	1	SE-1H80D	1	C40HH-□ PHH	2
	CJ1W-OD232	32(出)	2	SE-1H80D	1	C40HH-□ PHH	2
	CJ1W-OD233	32(出)	2	SE-1H80D	1	C40HH-□ PHH	2
	CJ1W-OD262	64(出)	1	SE-1H80D	1	C40HH-□ PHH	2
	CJ1W-OD263	64(出)	1	SE-1H80D	1	C40HH-□ PHH	2

※ Cables for PLC connection other than the table can be quoted and manufactured if you fill them out as below.

Ex)

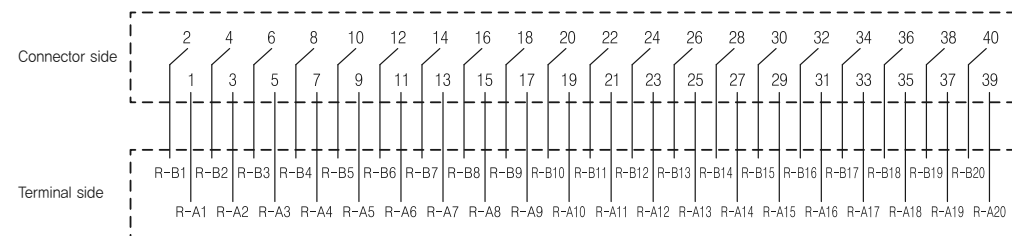
PLC Brand	PLC Model	Terminal Model	Cable Length
MITSUBISHI	QX41	SE-1H80D	2M

● Dimension

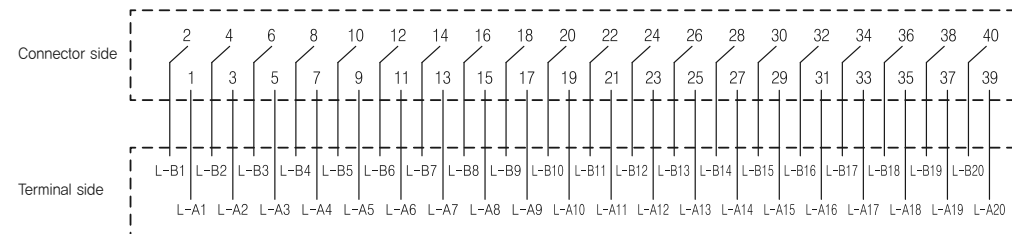


● Wiring Diagram

• Right Side Diagram

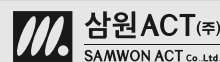


• Left Side Diagram



※ 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.



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NO.20140520-EP-ENG-ULTRA