

XTB Series 7mm Pitch, Interface terminal

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

- Do not open the cover while the power is on or during operation. It may cause electric shock.
- Be sure to shut off the power supply from the outside before mounting and wiring. It is cause fire or electric shock.
- Do not use if the cable sheath is damaged. It may cause electric shock.
- 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.

※ We are providing the connection cable for PLC per each maker.
For detail on model and specification, refer to our catalog or contact us.

Warning

- Use within the specified rated voltage and rated current range. This may result in fire or damage to the product.
- Do not use outdoors. Electric shock and product life may be shortened.
- Use within the specified temperature range. (−10℃ ~ +50℃) Damage to the outer case may occur.
- Do not use water or organic solvents for cleaning. Use a dry towel free of water. It may cause electric shock and damage to the product.

• Use caution

- Use in the specified temperature and humidity.
- 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.).
- Use AWG 22 ~ 16 (1.25mm² / MAX) for the suitable wire, and check the crimp terminal after checking the "Applicable crimp terminal" specification.
- The device is suitable for use only within an acceptable enclosure which has mechanical rigidity.
- Can be used under the following environmental conditions.
 - Indoor
 - Pollution degree2
 - Altitude 2,000m or less
 - Overvoltage Category II

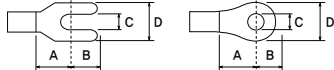
• Product/Specification

Model	XTB-20H	XTB-26H	XTB-34H	XTB-40H	XTB-50H	XTB-50B
Rated voltage	125VAC ~ 50/60Hz, 125VDC ≒					
Rated current	1A or less					
Number of connectors	20Pin	26Pin	34Pin	40Pin	50Pin	
Number of terminals	20ea	26ea	34ea	40ea	50ea	
Terminal pitch	7.0mm					
Suitable wire	AWG22~16 (1.25mm ² / MAX) (Use copper conductor only)					
Insulation resistance	100MQ or more, (500VDC ≒)					
Dielectric strength	500VAC ~ 1min					
Screw	M3 X 7L					
Screw torque	1.2N · m (12kgf · cm)					
Environment Note1)	Ambient temperature	−10℃ ~ +50℃				
	Ambient humidity	35~85%RH				
Material	Case	Modified PPO				
	Protective cover	Polycarbonate				
	PCB	Epoxy 1.6t				
Weight Note2)		About 103g (About 83g)	About 123g (About 103g)	About 154g (About 129g)	About 177g (About 152g)	About 212g (About 184g)

Note1) The conditions of use of the environment items are that they are not freezing or condensing.

Note2) It is weight in packed condition, parenthesized is only the product weight.

• Applicable Crimp Terminal



	A	B	C	D	Suitable wire
Y type terminal	5.8 or higher	4.2 or lower	3.0 or higher	6.0 or lower	AWG 22~16
O type terminal	5.8 or higher	4.2 or lower	3.0 or higher	6.0 or lower	(0.30~1.25mm ²)

※Use crimp terminals for UL approved products.

• Terminal marking strips

XTB-50H / 50B

XTB-40H

XTB-34H

XTB-26H

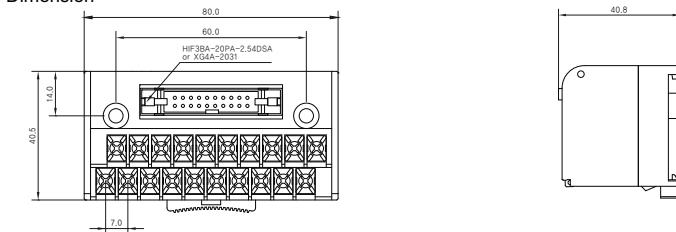
XTB-20H

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24	B25
A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25

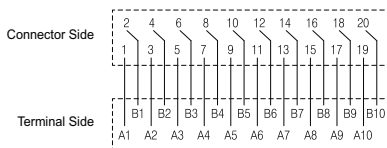
※It is attached to the window for user's convenience.

• XTB-20H

• Dimension

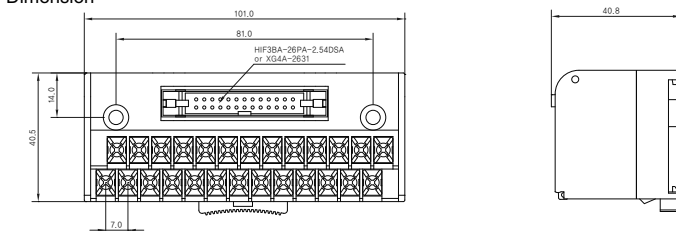


• Wiring Diagram

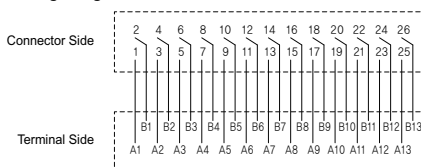


• XTB-26H

• Dimension

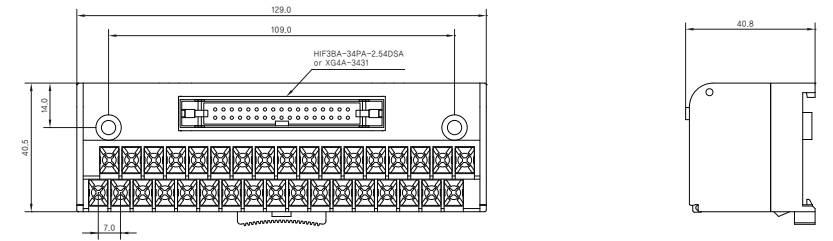


• Wiring Diagram

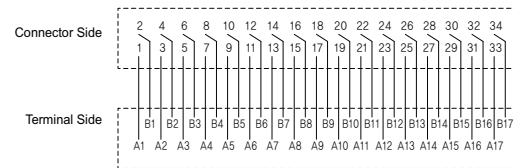


• XTB-34H

• Dimension

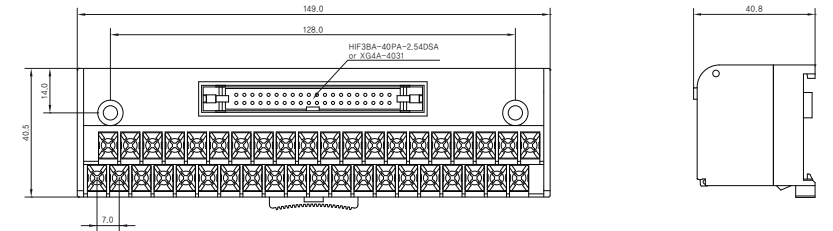


• Wiring Diagram

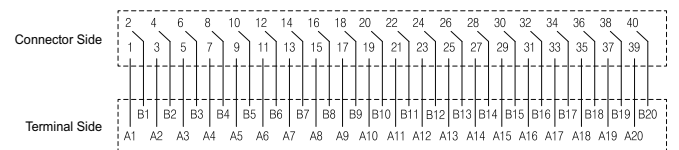


• XTB-40H

• Dimension

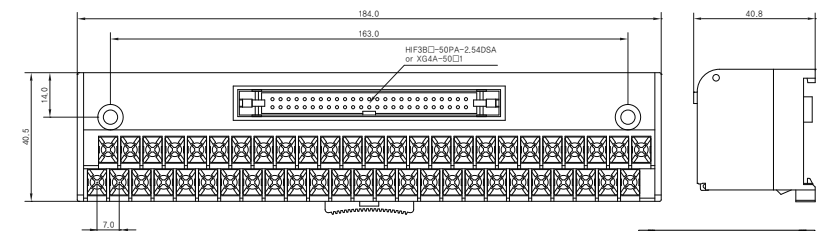


• Wiring Diagram

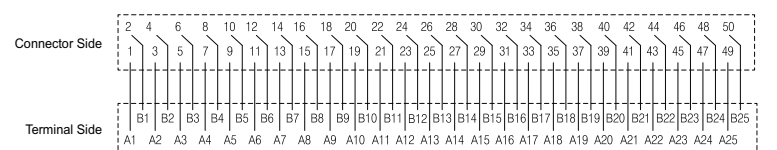


• XTB-50H/XTB-50B

• 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, 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



■ HQ : 47035, 28, Daedong-ro, Sasang-gu, Busan
TEL : (051)320-7777 FAX : (051)312-2233
■ SEOUL Office: 14353, M Cluster-707, 17, Deogan-ro
104beon-gil, Gwangmyeong-si, Gyeonggi-do
TEL : (02)837-2230 FAX : (02)837-2226