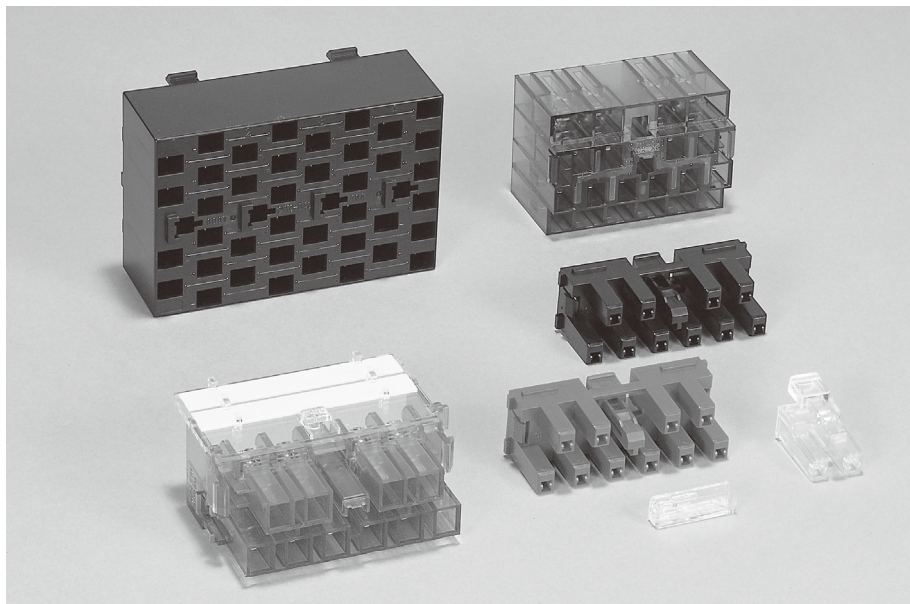




Rectangular connector

XC-TYPE



FEATURES

- The socket on the tab side is designed to enable 2 branches for 2 circuits with 4 terminals, 2 branches for 10 circuits with 20 terminals, and 4 branches for 10 circuits with 40 terminals.
A variation with screw terminals for 10 poles is available for leading in external wiring.
- The plug on the receptacle side is available in the hook movable types for 2 and 10 poles, the hook locked types for 1 and 10 poles, and the screw terminal type for 10 poles for use in leading in external wiring.
- The socket and plug can be quickly mounted to the switchboard by pressing them.
- The use of this connector allows for standardizing wiring and complying with the wire harness system (combined electric wire system) that enable pre-work by dividing the wiring work.

SPECIFICATIONS (RATINGS, PERFORMANCE)

Specification \ Type	XC-P1	XC-P2M	XC-P10T	XC-P10M	XC-T10	XC-S4	XC-S20	XC-S40
Rated insulation voltage (Ui)	600V AC / DC							
Rated current-carrying capacity (Ith)	10A							
Applicable wire size	0.3mm ² to 2.27mm ² (The XC-T10 screw terminal is of 5.5 mm ² maximum.)							
Withstand voltage	(Live part to assembly mounting panel) 2,500V AC / 1 min. / (Between live parts) 2,500V AC / 1 min.							
Lightning impulse	(Between live parts and mounting panel) ±7,000 V / 3 times for each pole (1.2 / 50μs) (Between live parts) ±4,500 V / 3 times for each pole (1.2 / 50μs)							
Short-time current	100A 2 seconds							
Contact resistance	Between poles 10 mΩ max. (initial value)							
Shock resistance	50 G or more / each axial direction							
Operating temperature	-20 to 50°C							
Storing temperature	-40 to 85°C							
Relative humidity	85% max.							
Altitude	2,000m max.							

HOW TO ORDER

See the product coding.

PRODUCT CODING

XC -P10T-C

Basic type

Type

Color symbol

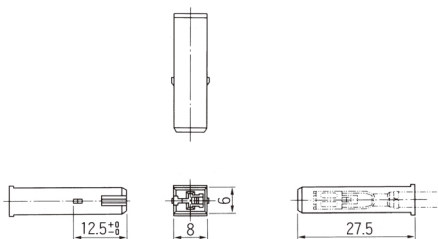
STANDARD PRODUCTS

XC-P1-Color (Plug)



Applicable socket

XC-S4,S20,S40
XC-B,M,T tub



- 1-circuit, 1-terminal type
- This plug is applicable for connections to individual parts such as a meter, relay, control switch, and indicator.
- When this plug is connected with a tab attached to the mating part, it is locked.

Color code

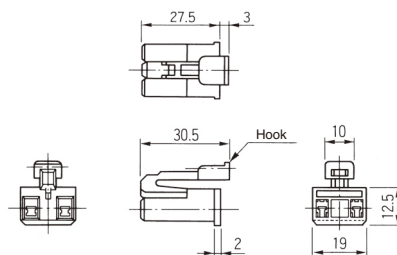
Code	Color
B	Black
R	Red
Y	Yellow
C	Clear

XC-P2M-C (Plug)



Applicable socket

XC-S4,S20



- 2-circuit, 2-terminal type
- When combined with the XC-S4, this plug allows for connecting 2 circuits.
- Pressing the hook unlocks the connection and allows for removing the plug.
- The plug may be combined with the XC-S20.

Color code

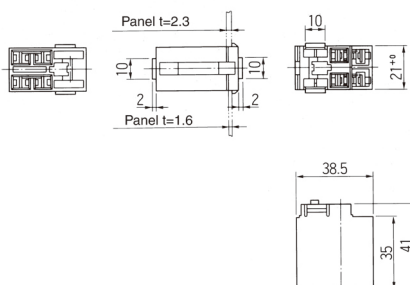
Code	Color
C	Clear

XC-S4-C (Socket)



Applicable plug

XC-P1,P2M



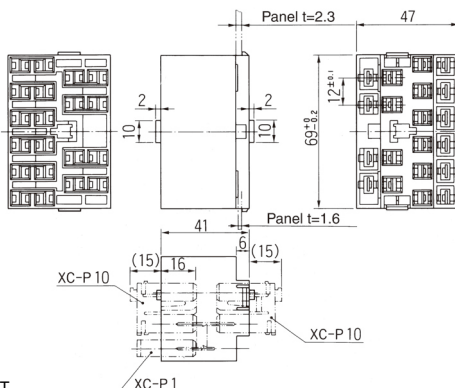
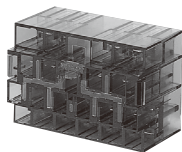
- 2-circuit, 4-terminal type (2 branches)
- When the XC-P1 and XC-P2M are combined, 2 circuits can be connected by 2 branches.

Color code

Code	Color
C	Clear



XC-S20-Color (Socket)



Applicable connector

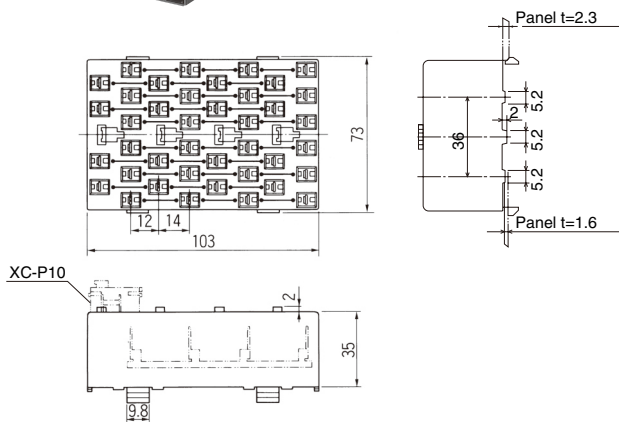
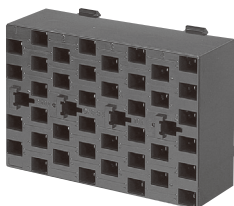
XC-P1,P2M,P10M,P10T

- 10-circuit, 20-terminal (2 branches)
- When combined with the XC-P10M etc, this connector allows for connecting 10 circuits.
- When used with the XC-P1, this socket enables branching for 2 wires per circuit.

Unit color

Code	Color
B	Black
R	Red
Y	Yellow
C	Clear
RC	Red (clear)
OC	Orange (clear)
GC	Green (clear)

XC-S40-B (Socket)



Applicable connector

XC-P1,P2M,P10M,P10T

- 10-circuit, 40-terminals (4 branches)
- This socket is a surface-mounted type that can be mounted on the panel to branch or relay to an adjacent unit.
- The socket is also useful as a terminal for crossover wiring.

Unit color

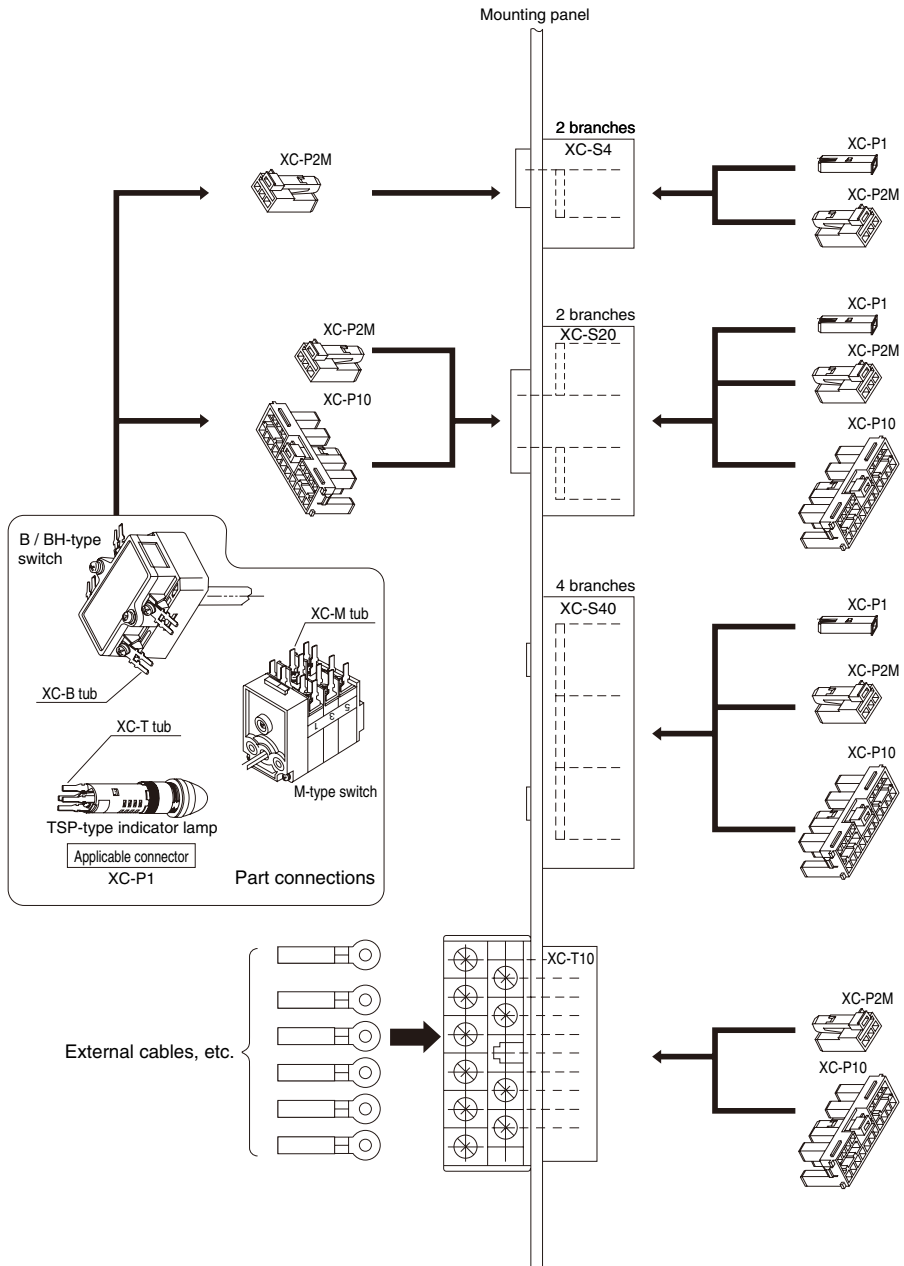
Code	Color
B	Black



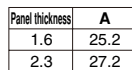
Rectangular connector

XC-TYPE

EXAMPLES OF COMBINATION



●XC-S20



1. Mounting holes marked with diagonal lines: $t = 1.6$
2. When the panel thickness is 2.3 mm, all specified holes are required.

Applicable types: TSP-type indicator lamp

The diagram illustrates the three steps of the wire loop technique:

- Push:** The wire loop is pushed into the tissue.
- Raised:** The wire loop is raised, lifting the tissue.
- Pull out the lead wire:** The lead wire is pulled out, leaving the tissue loop.