



TCX-TYPE, TQX-TYPE, TCXS-TYPE, HC-TYPE, XCTF-TYPE

FEATURES

■ **Useful for branching and crossover wiring.**

At the tip of the tab terminals, two receptacles can be mounted to one pole. You can easily conduct branching and crossover wiring from the mounting side.

■ **Erroneous insertion preventive structure**

To prevent accidental connection with other circuits and deformation to the tip of the tab terminals, an erroneous insertion preventive structure is provided.

■ **Easy wiring**

Since the upper and lower terminal screws are arranged in staggered positions, you can easily connect a wire to each terminal.

■ **Mounting orientation is selectable.**

Two mounting holes are provided in the L-shaped projection parts, which are individually at 90° angles. You can select the connector terminal block mounting orientation according to the shape of the installation space. (Except for TCX)

SPECIFICATIONS (RATINGS, PERFORMANCE)

| Specification | Type | TCX | TQX | TCXS | HC | XCTF |
|---------------------------------------|----------------|--|---|--|---|--|
| Type | | TCX-19P TCX-19T | TQX-16P TQX-16T | TCXS-A-P TCXS-A-T | HC-23P HC-23T | XCTF-12P XCTF-12T |
| Rated insulation voltage (Ui) | | 600V | | 250V | | 600V |
| Rated current-carrying capacity (Ith) | | | | 10A | | |
| Withstand voltage | | 2,500V AC / 1 min. | | 2,000V AC / 1 min. | 2,500V AC / 1 min. | |
| Insulation resistance | | 1,000MΩ | | | | |
| Lightning impulse | | ±6kV / 3 times for each pole (1.2 / 50μs) | ±4.8kV / 3 times for each pole (1.2 / 50μs) | ±6kV / 3 times for each pole (1.2 / 50μs) | (Between live parts and mounting panel) ±7kV (Between live parts) ±4.5kV | ±7kV / 3 times for each pole (1.2 / 50μs) |
| Shock resistance | | 30 G or more, along each axis | 50 G or more, along each axis | 30 G or more, along each axis | | |
| Contact resistance | | 10 mΩ max. between end terminals (initial value) | 5 mΩ max. between end terminals (initial value) | 10 mΩ max. between end terminals (initial value) | | |
| Short-time current | | 100A 1 sec. | 120A 1 sec. | 200A 1 sec. | | |
| Ambient operating temperature | | -25 to 40°C | -25 to 50°C | -10 to 60°C | -10 to 50°C | |
| Relative humidity | | 85% or less | 45 to 85% | 85% or less | | |
| No. of poles | | 19 poles | 16 poles | 21 poles | 23 poles | 12 poles |
| Screw size | | M4×8.5 | M4×8.5 | M4×8.5* | M4×8 | M4×9 |
| Applicable wire size | Plug | MAX 2mm ² | 0.5 to 2.27mm ² | MAX 2mm ² | | |
| | Terminal block | MAX 5.5mm ² | MAX 3.5mm ² | MAX 5.5mm ² | | |
| Applicable receptacle | | MIC Mark II 172774-4 (manufactured by AMP) (Sold separately) | | | | |

* Terminal 1~19 will be M3.5×7.5 (Applicable cable : 2.2mm² max).

HOW TO ORDER (Plug and terminal block set)

TCX type connector

TCX-19TP

Basic type No. of Terminal Plug
 poles block

TQX type connector

TQX-16TP

Basic type No. of Terminal Plug
 poles block

TCXS type connector

TCXS-A-TP

Basic type Configuration Terminal Plug
 block

HC type connector

HC-23PT

Basic type No. of Plug Terminal block
 poles

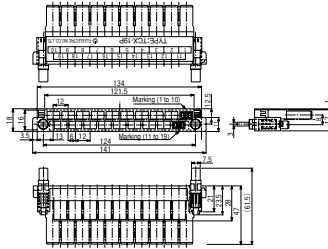
XCTF type connector

XCTF-12TP

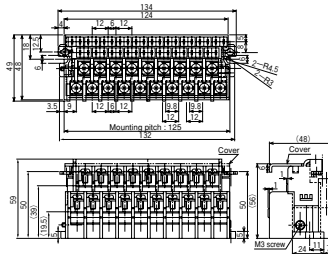
Basic type No. of Terminal Plug
 poles block

STANDARD PRODUCTS

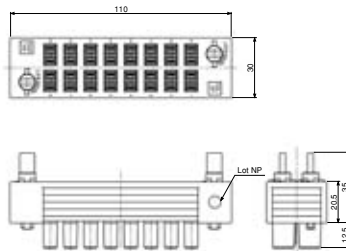
TCX-19P (Plug)



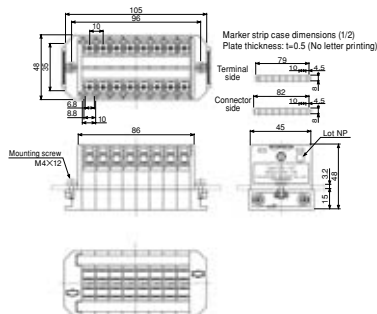
TCX-19T (Terminal block)



TQX-16P (Plug)



TQX-16T (Terminal block)



A SWITCH

B PILOT LAMP & INDICATOR

C CONNECTING DEVICES

D ELECTRONIC DEVICES

E CONTROL CENTER PARTS

