



# Terminal Block

## WIRE TO P.C.B. TYPE TERMINAL BLOCK

TÜV R50008092  
E133988(R)  
LR100420

ETB51 SERIES

MOUNT TYPE / BARRIER TYPE

PITCH=8.25mm(0.325inch)

### FEATURES

- Can be supplied in any number of positions
- Special wire protector design to ensure reliable wire clamping
- UL 94V-0 grade fire retardant engineering plastic used for the housing
- Be capable of clamping a wide range of wire diameters
- Wide choice of pitch & terminal

### SPECIFICATIONS

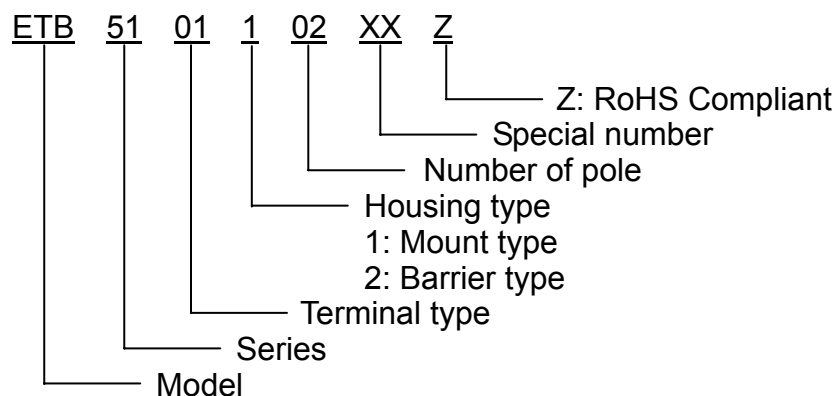
- Housing material: Thermoplastic (UL 94V-0) Black
- Terminals: Tin plated over Brass
- Screws: Nickel plated over Steel
- Dielectric strength: 2000 VAC (Min.)
- Insulation resistance: 1000 MΩ, 500 VDC



### PITCH & WIRE RANGE

|  | SERIES | Pitch             | Wire Range         | Rated             |
|--|--------|-------------------|--------------------|-------------------|
|  | ETB51  | 8.25mm(0.325inch) | 14 AWG to 22 AWG   | 15 Amp, 300 VAC   |
|  | ETB51  | 8.25mm(0.325inch) | 1.5mm <sup>2</sup> | 17.5 Amp, 450 VAC |

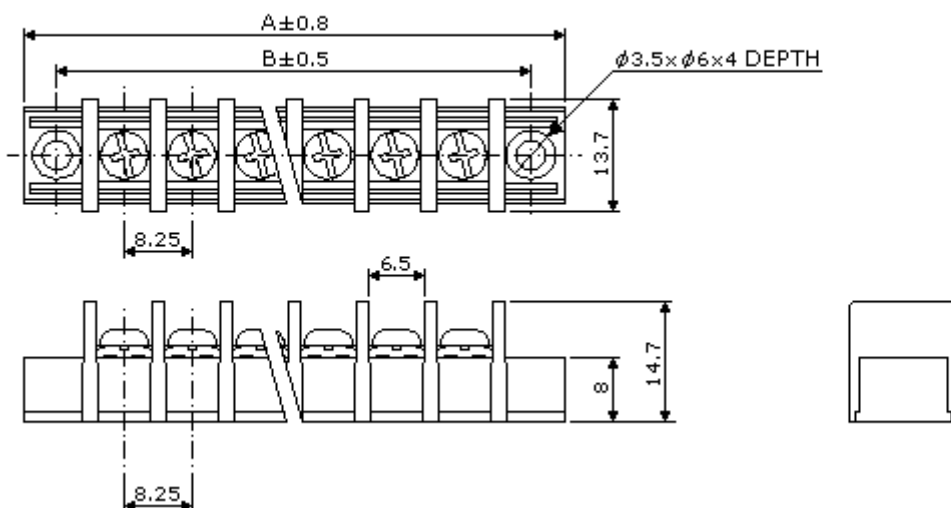
### PART NUMBERING SYSTEM



## ■ DRAWING (MOUNT TYPE)

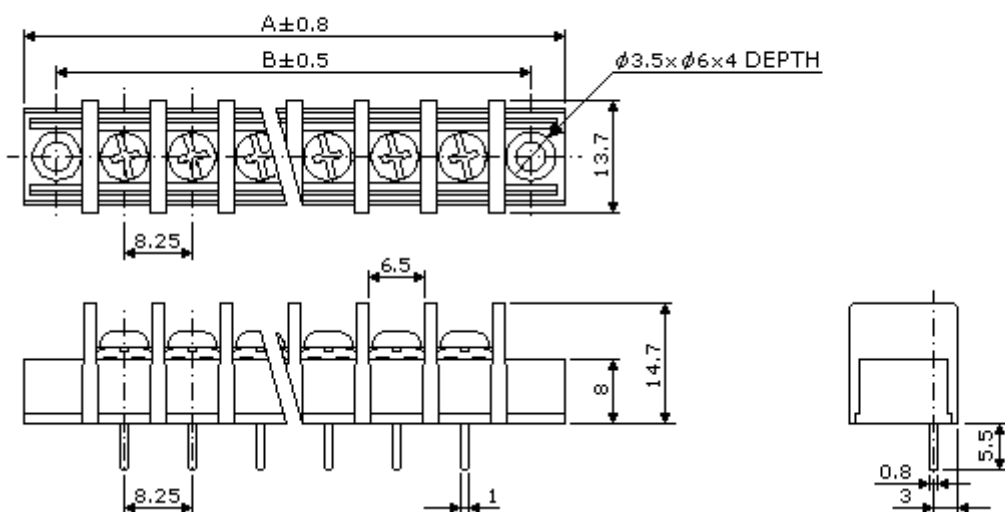
DIMENSIONS UNIT:mm(inch)

ETB51001\*\* SERIES



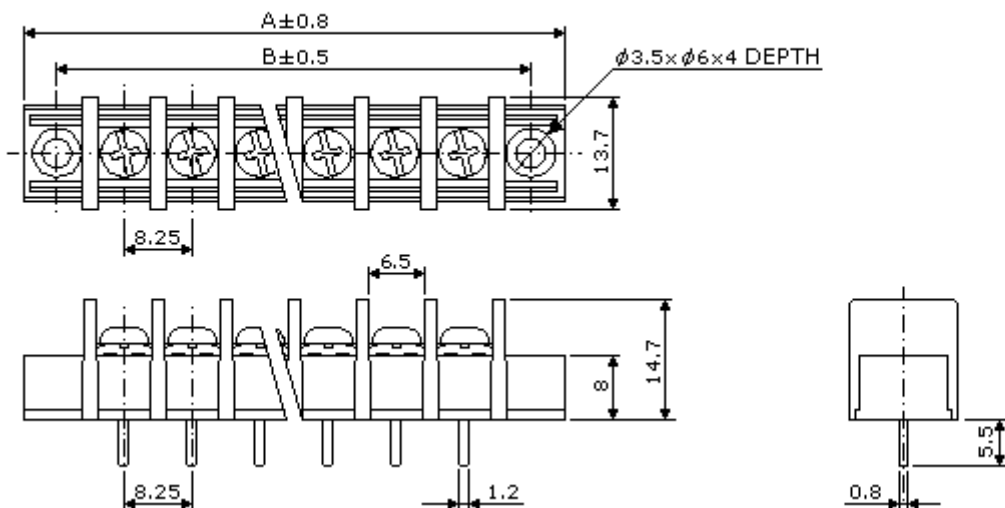
DIMENSIONS UNIT:mm(inch)

ETB51011\*\* SERIES



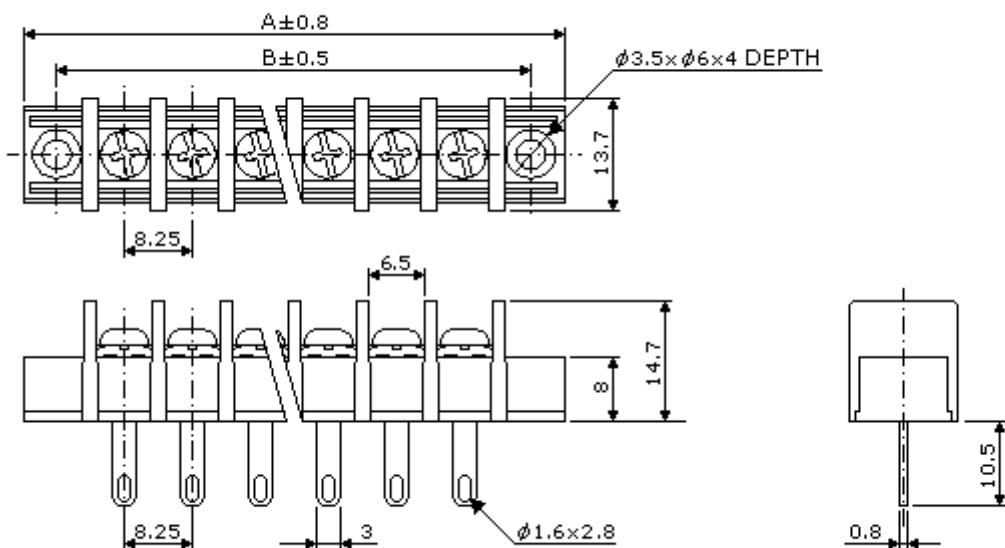
DIMENSIONS UNIT:mm(inch)

ETB51021\*\* SERIES



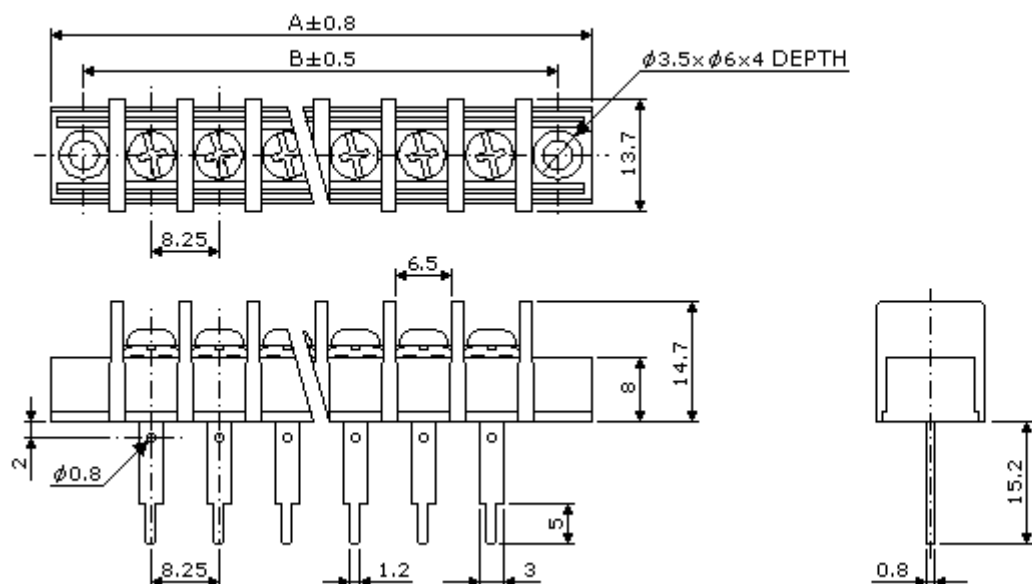
DIMENSIONS UNIT:mm(inch)

ETB51031\*\* SERIES



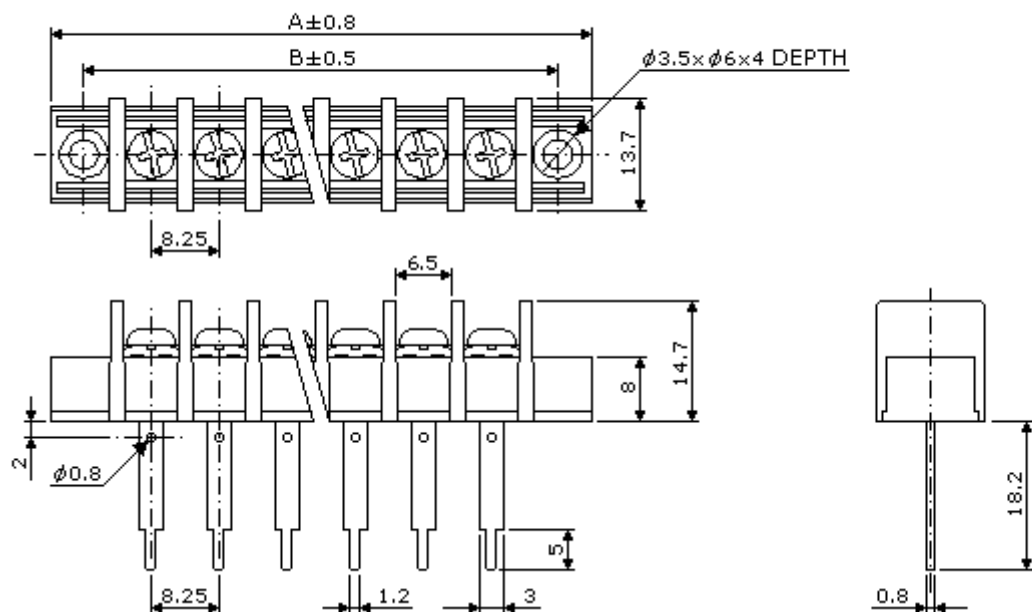
DIMENSIONS UNIT:mm(inch)

ETB51041\*\* SERIES



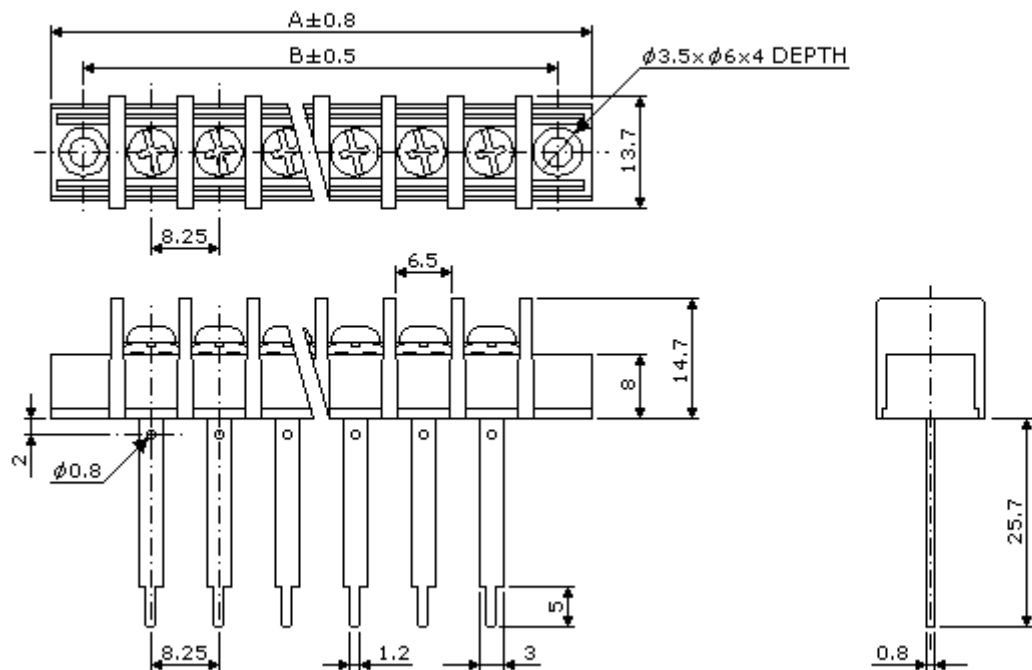
DIMENSIONS UNIT:mm(inch)

ETB51051\*\* SERIES



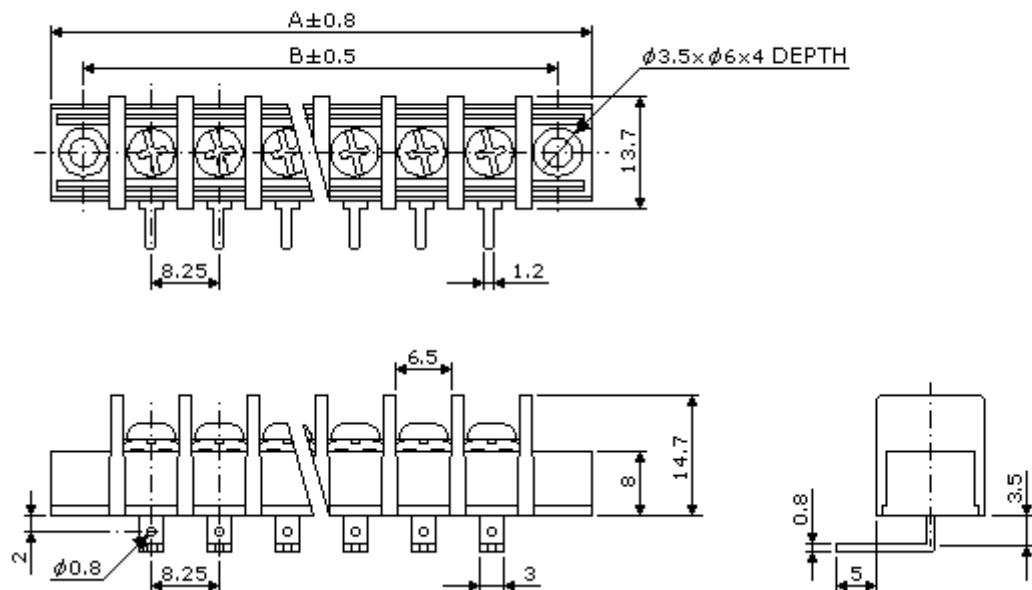
DIMENSIONS UNIT:mm(inch)

ETB51061\*\* SERIES



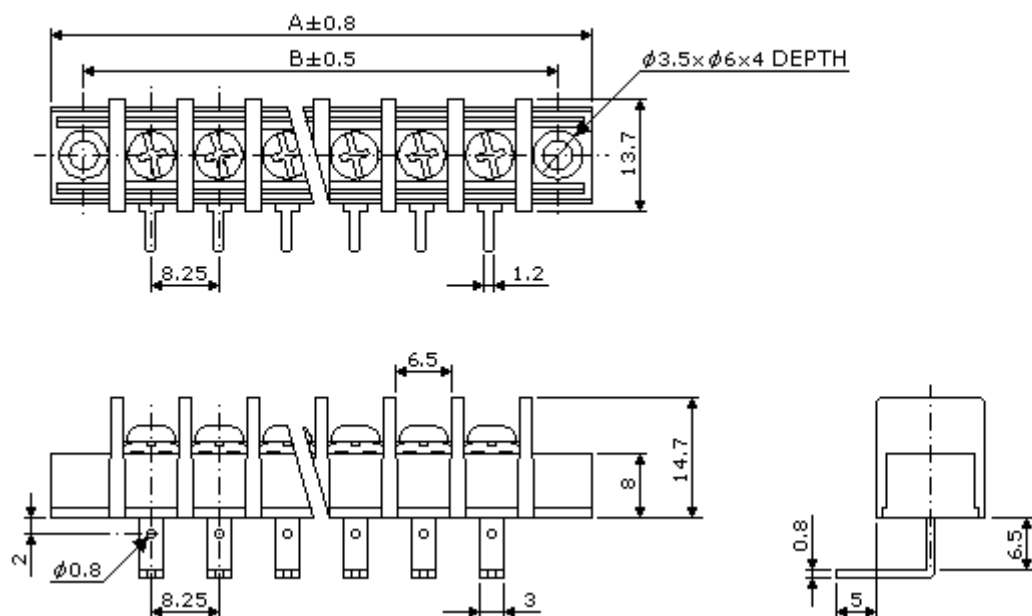
DIMENSIONS UNIT:mm(inch)

ETB51071\*\* SERIES



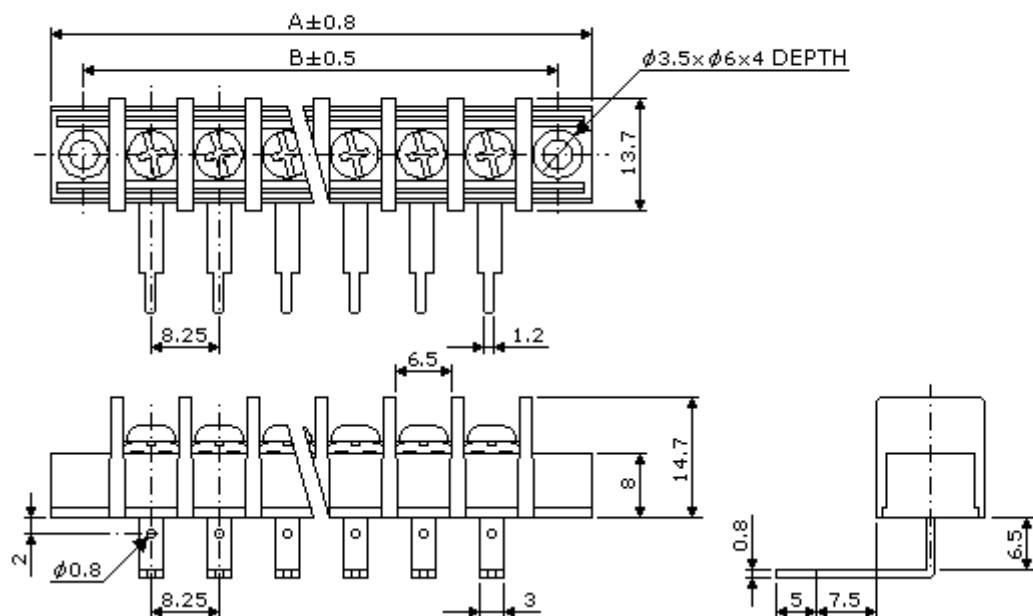
DIMENSIONS UNIT:mm(inch)

ETB51081\*\* SERIES



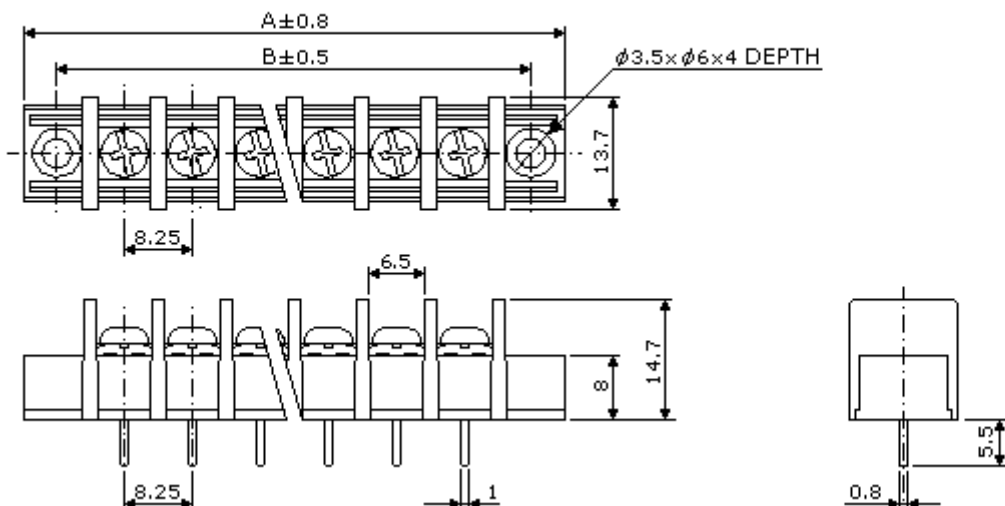
DIMENSIONS UNIT:mm(inch)

ETB51091\*\* SERIES



DIMENSIONS UNIT:mm(inch)

ETB51101\*\* SERIES



mm to inch

| mm   | 0.8   | 1     | 1.2   | 1.6   | 2     | 2.8   | 3     | 3.5   | 4     | 5     | 5.5   | 6     | 6.5   | 7.5   | 8     |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| inch | 0.031 | 0.039 | 0.047 | 0.063 | 0.079 | 0.110 | 0.118 | 0.138 | 0.157 | 0.197 | 0.217 | 0.236 | 0.256 | 0.295 | 0.315 |
| mm   | 8.25  | 10.5  | 13.7  | 14.7  | 15.2  | 18.2  | 25.7  |       |       |       |       |       |       |       |       |
| inch | 0.325 | 0.413 | 0.539 | 0.579 | 0.598 | 0.717 | 1.012 |       |       |       |       |       |       |       |       |

DIMENSIONS OF MOUNT TYPE: mm(inch)

\*\*NUMBER OF POLE 02~30.

| POLE  | 2                 | 3                 | 4                 | 5                 | 6                 | 7                 | 8                  | 9                 | 10                | 11                | 12                |
|-------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|
| A±0.8 | 33.0<br>(1.299)   | 41.3<br>(1.626)   | 49.5<br>(1.949)   | 57.8<br>(2.276)   | 66.0<br>(2.598)   | 74.3<br>(2.925)   | 82.5<br>(3.248)    | 90.8<br>(3.575)   | 99.0<br>(3.898)   | 107.3<br>(4.224)  | 115.5<br>(4.547)  |
| B±0.5 | 24.75<br>(0.974)  | 33.00<br>(1.299)  | 41.25<br>(1.624)  | 49.50<br>(1.949)  | 57.75<br>(2.274)  | 66.00<br>(2.598)  | 74.25<br>(2.923)   | 82.50<br>(3.248)  | 90.75<br>(3.573)  | 99.00<br>(3.898)  | 107.25<br>(4.222) |
| POLE  | 13                | 14                | 15                | 16                | 17                | 18                | 19                 | 20                | 21                | 22                | 23                |
| A±0.8 | 123.8<br>(4.874)  | 132.0<br>(5.197)  | 140.3<br>(5.524)  | 148.5<br>(5.846)  | 156.8<br>(6.173)  | 165.0<br>(6.496)  | 173.3<br>(6.823)   | 181.5<br>(7.146)  | 189.8<br>(7.472)  | 198.0<br>(7.795)  | 206.3<br>(8.122)  |
| B±0.5 | 115.50<br>(4.547) | 123.75<br>(4.872) | 132.00<br>(5.197) | 140.25<br>(5.522) | 148.50<br>(5.846) | 156.75<br>(6.171) | 165.00<br>(6.496)  | 173.25<br>(6.821) | 181.50<br>(7.146) | 189.75<br>(7.470) | 198.00<br>(7.795) |
| POLE  | 24                | 25                | 26                | 27                | 28                | 29                | 30                 |                   |                   |                   |                   |
| A±0.8 | 214.5<br>(8.445)  | 222.8<br>(8.772)  | 231.0<br>(9.094)  | 239.3<br>(9.421)  | 247.5<br>(9.744)  | 255.8<br>(10.071) | 264.0<br>(10.394)  |                   |                   |                   |                   |
| B±0.5 | 206.25<br>(8.120) | 214.50<br>(8.445) | 222.75<br>(8.770) | 231.00<br>(9.094) | 239.25<br>(9.419) | 247.50<br>(9.744) | 255.75<br>(10.069) |                   |                   |                   |                   |



## Terminal Block

DIMENSIONS OF **BARRIER TYPE**: mm(inch)

\*\*NUMBER OF POLE 02~32.

| POLE  | 2                 | 3                 | 4                 | 5                 | 6                 | 7                 | 8                 | 9                 | 10                 | 11                | 12                |
|-------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-------------------|-------------------|
| A±0.8 | 18.5<br>(0.728)   | 26.8<br>(1.053)   | 35.0<br>(1.378)   | 43.3<br>(1.703)   | 51.5<br>(2.028)   | 59.8<br>(2.352)   | 68.0<br>(2.677)   | 76.3<br>(3.002)   | 84.5<br>(3.327)    | 92.8<br>(3.652)   | 101.0<br>(3.976)  |
| B±0.5 | 8.25<br>(0.325)   | 16.50<br>(0.650)  | 24.75<br>(0.974)  | 33.00<br>(1.299)  | 41.25<br>(1.624)  | 49.50<br>(1.949)  | 57.75<br>(2.274)  | 66.00<br>(2.598)  | 74.25<br>(2.923)   | 82.50<br>(3.248)  | 90.75<br>(3.573)  |
| POLE  | 13                | 14                | 15                | 16                | 17                | 18                | 19                | 20                | 21                 | 22                | 23                |
| A±0.8 | 109.3<br>(4.301)  | 117.5<br>(4.626)  | 125.8<br>(4.951)  | 134.0<br>(5.276)  | 142.3<br>(5.600)  | 150.5<br>(5.925)  | 158.8<br>(6.250)  | 167.0<br>(6.575)  | 175.3<br>(6.900)   | 183.5<br>(7.224)  | 191.8<br>(7.549)  |
| B±0.5 | 99.00<br>(3.898)  | 107.25<br>(4.222) | 115.50<br>(4.547) | 123.75<br>(4.872) | 132.00<br>(5.197) | 140.25<br>(5.522) | 148.50<br>(5.846) | 156.75<br>(6.171) | 165.00<br>(6.496)  | 173.25<br>(6.821) | 181.50<br>(7.146) |
| POLE  | 24                | 25                | 26                | 27                | 28                | 29                | 30                | 31                | 32                 |                   |                   |
| A±0.8 | 200.0<br>(7.874)  | 208.3<br>(8.199)  | 216.5<br>(8.524)  | 224.8<br>(8.848)  | 233.0<br>(9.173)  | 241.3<br>(9.498)  | 249.5<br>(9.823)  | 257.8<br>(10.148) | 266.0<br>(10.472)  |                   |                   |
| B±0.5 | 189.75<br>(7.470) | 198.00<br>(7.795) | 206.25<br>(8.120) | 214.50<br>(8.445) | 222.75<br>(8.770) | 231.00<br>(9.094) | 239.25<br>(9.419) | 247.50<br>(9.744) | 255.75<br>(10.069) |                   |                   |