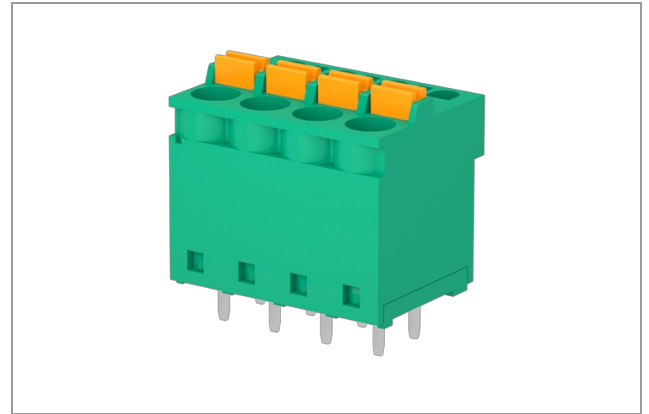


## MCQ02001 - Terminal block

Number of poles: 2, Spring tightening, 16A, 2.5mm<sup>2</sup>, 12AWG, 300V, Pitch 5 mm, Side stackable, Connection Angle 90°, Number of levels: 1, Green (RAL 6032), Soldering technology Wave, UL, CUL, IEC



|                      |                            |
|----------------------|----------------------------|
| Number of poles:     | 2                          |
| Number of levels:    | 1                          |
| Sides configuration: | Side stackable             |
| Pitch:               | 5 mm                       |
| Voltage:             | 300 V                      |
| Current :            | 16 A                       |
| Wire section:        | 0.05 ÷ 2.5 mm <sup>2</sup> |
| Available approvals: | UL, CUL, IEC               |

## General Data

### Features

|                             |               |
|-----------------------------|---------------|
| Screw dimension             | na            |
| Stripping length            | 10 mm         |
| Operating temperature range | -40°C ÷ 105°C |
| Contact resistance          | <15 mOhm      |
| Insulation resistance       | >1 GOhm       |

## Certifications

### CUL (n.E167473)

|              |        |
|--------------|--------|
| Wire section | 12 AWG |
|--------------|--------|

### IEC (n.EN60998)

|                                       |                     |       |      |
|---------------------------------------|---------------------|-------|------|
| Rated voltage                         | 250 V               |       |      |
| Nominal current                       | 16 A                |       |      |
| Wire section                          | 2.5 mm <sup>2</sup> |       |      |
| Insulating category                   | I                   |       |      |
| Overvoltage category/Pollution degree | III/3               | III/2 | II/2 |
| Impulse voltage                       | 4kV                 | 4kV   | 4kV  |
| Rated voltage                         | 300V                | 300V  | 600V |
| Insulation voltage                    | 320V                | 320V  | 630V |

### UL (n.E167473)

|                 |        |   |   |
|-----------------|--------|---|---|
| Usage Group     | B      | C | D |
| Rated voltage   | 300 V  | - | - |
| Nominal current | 16 A   |   |   |
| Wire section    | 12 AWG |   |   |

## Materials

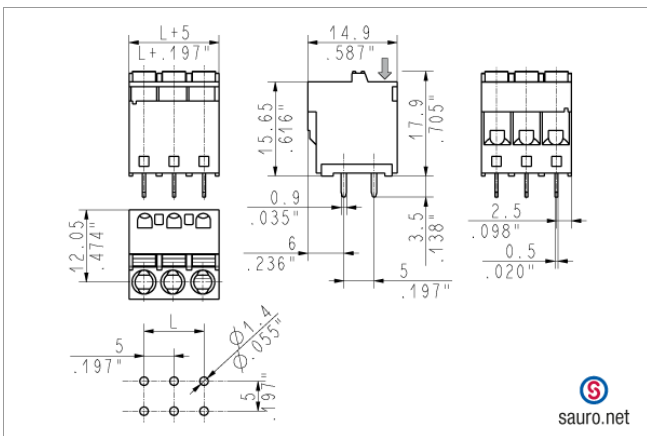
### Components

|                               |                                |
|-------------------------------|--------------------------------|
| Terminal contact              | Nickel and tin on copper alloy |
| Spring tightening             | Stainless steel                |
| Insulating housing material   | PA Polyamide                   |
| Insulating material group     | I (CTI >= 600V)                |
| Self-extinguishing class UL94 | V0                             |

### Available colors

|                |                       |
|----------------|-----------------------|
| green          | (similar to RAL 6032) |
| black          | (similar to RAL 9005) |
| light grey     | (similar to RAL 7035) |
| dark gray      | (similar to RAL 7040) |
| orange         | (similar to RAL 2003) |
| blue           | (similar to RAL 5012) |
| red            | (similar to RAL 3017) |
| another colors | (on demand)           |

### Technical drawing



### Derating curve

