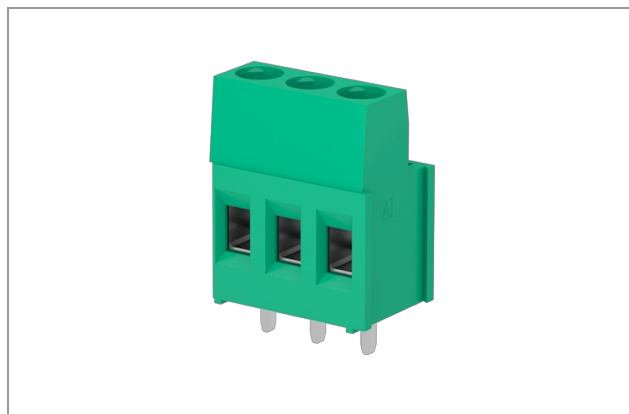


## MSQ02005 - Terminal block

Number of poles: 2, Clamp tightening, 32A, 2.5mm<sup>2</sup>, 11AWG, 300V, Pitch 5,08 mm, Modular, Connection Angle 0°, Number of levels: 1, Green (RAL 6032), Soldering technology Wave, UL, VDE, IMQ, CSA



|                      |                                        |
|----------------------|----------------------------------------|
| Number of poles:     | 2                                      |
| Number of levels:    | 1                                      |
| Sides configuration: | Modular                                |
| Pitch:               | 5,08 mm                                |
| Voltage:             | 300 V                                  |
| Current :            | 32 A                                   |
| Wire section:        | 0.05 ÷ 4 mm <sup>2</sup> / 30 ÷ 11 AWG |
| Available approvals: | UL, VDE, IMQ, CSA                      |

## General Data

### Features

|                             |               |
|-----------------------------|---------------|
| Screw dimension             | M3            |
| Stripping length            | 7 mm          |
| Operating temperature range | -40°C ÷ 105°C |
| Contact resistance          | <15 mOhm      |
| Insulation resistance       | >1 GOhm       |

## Certifications

### CSA (n.LR 102896)

|                 |        |
|-----------------|--------|
| Rated voltage   | 300 V  |
| Nominal current | 24 A   |
| Wire section    | 11 AWG |

### IMQ (n.EB731)

|                                       |                   |      |      |
|---------------------------------------|-------------------|------|------|
| Rated voltage                         | 250 V             |      |      |
| Nominal current                       | 32 A              |      |      |
| Wire section                          | 4 mm <sup>2</sup> |      |      |
| Insulating category                   | I                 |      |      |
| Overvoltage category/Pollution degree | III/3             | II/2 | II/2 |
| Impulse voltage                       | 4kV               | 4kV  | 4kV  |
| Rated voltage                         | 250V              | 300V | 630V |
| Insulation voltage                    | 250V              | 320V | 630V |

### UL (n.E167473)

|                   |        |
|-------------------|--------|
| Rated voltage     | 300 V  |
| Nominal current   | 24 A   |
| Wire section      | 12 AWG |
| Tightening torque | .8     |

## VDE (n.40022743 Reg.-Nr. C518)

|                     |                     |
|---------------------|---------------------|
| Rated voltage       | 250 V               |
| Nominal current     | 24 A                |
| Wire section        | 2.5 mm <sup>2</sup> |
| Insulating category | I                   |

## Materials

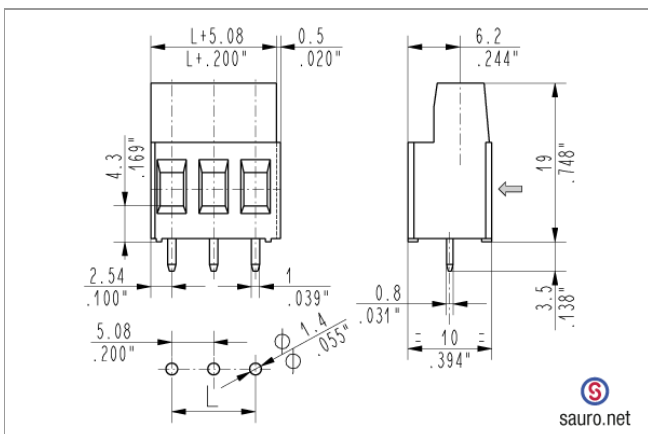
### Components

|                             |                                |
|-----------------------------|--------------------------------|
| Screw material              | Nickel-plated copper alloy     |
| Terminal contact            | Nickel and tin on copper alloy |
| Clamp tightening            | Nickel-plated copper alloy     |
| Insulating housing material | PA Polyamide                   |
| Insulating material group   | I (CTI >= 600V)                |

### 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

