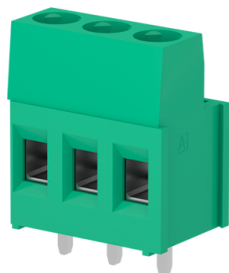


# MSQ02005 - Terminal block

<https://www.sauro.net/product/MSQ02005>



Number of poles: 2, Clamp tightening, 32A, 4mm<sup>2</sup>, 10AWG, 300V, Pitch 5,08 mm, Modular, Connection Angle 0°, Number of levels: 1, Green (RAL 6032), Soldering technology Wave, UL, VDE, IMQ, CSA, CUL

## General data

|                     |                        |
|---------------------|------------------------|
| Number of poles     | 2                      |
| Number of levels    | 1                      |
| Sides configuration | Modular                |
| Pitch               | 5,08 mm                |
| Voltage             | 300 V                  |
| Current             | 32 A                   |
| Housing composition | Monolithic             |
| Wire section        | 4 mm <sup>2</sup>      |
| Wire section        | 30 AWG ÷ 10 AWG        |
| Connection angle    | 0°                     |
| Available approvals | UL, VDE, IMQ, CSA, CUL |
| Stripping length    | 7 mm                   |

## Features

|                               |                                   |
|-------------------------------|-----------------------------------|
| Screw dimension               | M3                                |
| Recommended tightening torque | 0.5 Nm                            |
| Operating temperature range   | -40°C ÷ 105°C                     |
| Climatic category             | -40/105/21 according to EN60068-1 |
| Contact resistance            | <15 mOhm                          |
| Insulation resistance         | >1 GOhm                           |

## Certifications

<https://www.sauro.net/product/MSQ02005>

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## CSA (n.LR 102896)

|                   |            |
|-------------------|------------|
| Rated voltage     | 300 V      |
| Nominal current   | 28 A       |
| Wire section      | 10 AWG     |
| Tightening torque | 7 lbf x in |

## CUL (n.E167473)

|                   |                 |
|-------------------|-----------------|
| Rated voltage     | 300 V           |
| Nominal current   | 24 A            |
| Wire section      | 30 AWG ÷ 10 AWG |
| Tightening torque | 0.8 lbf x in    |

## IMQ (n.EB731)

|                                       |                                         |       |      |
|---------------------------------------|-----------------------------------------|-------|------|
| Rated voltage                         | 250 V                                   |       |      |
| Nominal current solid / stranded wire | 32 A / 24 A                             |       |      |
| Wire section solid / stranded         | 4 mm <sup>2</sup> / 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                         | 250V                                    | 300V  | 630V |
| Insulation voltage                    | 250V                                    | 320V  | 630V |
| Maximum temp usage                    | 110                                     |       |      |

## UL (n.E167473)

|                   |                 |   |       |
|-------------------|-----------------|---|-------|
| Usage group       | B               | C | D*    |
| Rated voltage     | 300 V           | - | 300 V |
| Nominal current   | 24 A            |   |       |
| Wire section      | 30 AWG ÷ 10 AWG |   |       |
| Tightening torque | 7 lbf x in      |   |       |

\* These limited ratings are applicable to a terminal block for use in or with industrial control equipment whereby the load on any single circuit of the terminal block does not exceed 15A at 51-150V, 10A at 151-300V, or 5A at 301-600V, or the maximum ampere rating, whichever is less.

## 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                   |
| Maximum temp usage  | 110                 |

<https://www.sauro.net/product/MSQ02005>

# MSQ02005 - Terminal block

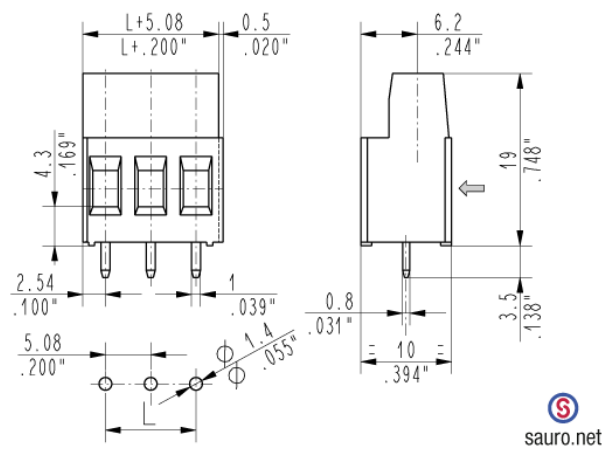
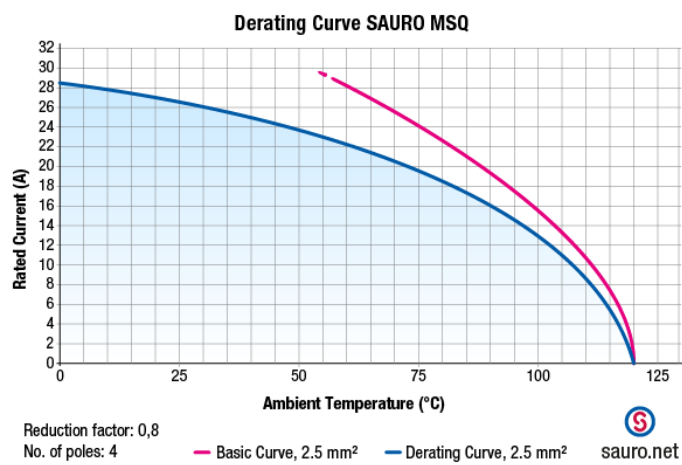
<https://www.sauro.net/product/MSQ02005>

## Materials

|                                                               |                                |
|---------------------------------------------------------------|--------------------------------|
| 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)                |
| Flammability rating according to UL94                         | V0                             |
| Glow Wire Flammability Index GWFI according to EN60695-2-12   | 850°C                          |
| Glow Wire Ignition Temperature GWIT according to EN60695-2-13 | 775°C                          |

## Available colors

|               |                     |
|---------------|---------------------|
| Green         | similar toRAL 6032  |
| Dark green    | similar to RAL 6017 |
| Black         | similar to RAL 9005 |
| Light gray    | similar to RAL 7035 |
| Dark gray     | similar to RAL 7040 |
| Orange        | similar to RAL 2003 |
| Blue          | similar to RAL 5012 |
| Brown         | similar to RAL 8028 |
| Yellow        | similar to RAL 1018 |
| White         | similar to RAL 9001 |
| Red           | similar to RAL 3017 |
| Another color | on demand           |



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