# Sensor/actuator terminal block - STIO 2,5/3-2B/L-LA24GN/O-M - 3209031

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The illustration shows a version with red LED

Sensor/actuator terminal block, Connection method: Spring-cage connection, Cross section: 0.08 mm² - 4 mm², AWG: 28 - 12, Width: 5.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

## Product Features

- Three-conductor output terminal block of the same shape with PE connection in the lower level for wiring actuators
- Power terminal blocks can be located at any point on the terminal strip for supply or extension purposes
- Versions with LED for indicating the switching states
- Easy bridging and potential distribution using the patented plug-in bridges from the CLIPLINE complete system
- Potential is supplied via the STIO-IN power terminal blocks
- For space and time-saving wiring of three-conductor initiators and actuators
- The upper level is for signal wiring, whereas the two lower levels are used to distribute the positive and negative potential

## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| Weight per Piece (excluding packing) | 10.32 g |
| Custom tariff number | 85369010 |
| Country of origin | Turkey |

## Technical data

### General

| | |
|---|---|
| Number of levels | 3 |
| Number of connections | 4 |
| Nominal cross section | 2.5 mm² |
| Color | gray |
| Insulating material | PA |

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## Technical data

### General

| | |
|---|---|
| Flammability rating according to UL 94 | V0 |
| Rated surge voltage | 4 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |
| Connection in acc. with standard | IEC 60947-7-1 |
| Nominal current $I_N$ | 18 A |
| Maximum load current | 18 A (with 4 mm² conductor cross section) |
| Nominal voltage $U_N$ | 24 V (Light indicator, green) |
| Open side panel | Yes |

### Dimensions

| | |
|---|---|
| Width | 5.2 mm |
| Length | 75 mm |
| Height NS 35/7,5 | 44.5 mm |
| Height NS 35/15 | 52 mm |

### Connection data

| | |
|---|---|
| Connection method | Spring-cage connection |
| Conductor cross section solid min. | 0.08 mm² |
| Conductor cross section solid max. | 4 mm² |
| Conductor cross section flexible min. | 0.08 mm² |
| Conductor cross section flexible max. | 2.5 mm² |
| Conductor cross section AWG min. | 28 |
| Conductor cross section AWG max. | 12 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.14 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 2.5 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.14 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 2.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm² |
| Stripping length | 8 mm ... 10 mm |

### Standards and Regulations

| | |
|---|---|
| Connection in acc. with standard | CUL |
| | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V0 |

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## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 4.0 | 27141118 |
| eCl@ss 4.1 | 27141118 |
| eCl@ss 5.0 | 27141118 |
| eCl@ss 5.1 | 27141118 |
| eCl@ss 6.0 | 27141128 |
| eCl@ss 7.0 | 27141128 |
| eCl@ss 8.0 | 27141128 |

### ETIM

| | |
|---|---|
| ETIM 2.0 | EC000900 |
| ETIM 3.0 | EC000900 |
| ETIM 4.0 | EC000900 |
| ETIM 5.0 | EC000900 |

### UNSPSC

| | |
|---|---|
| UNSPSC 6.01 | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11 | 39121410 |
| UNSPSC 12.01 | 39121410 |
| UNSPSC 13.2 | 39121410 |

## Approvals

### Approvals

Approvals

UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

Ex Approvals

Approvals submitted

### Approval details

# Sensor/actuator terminal block - STIO 2,5/3-2B/L-LA24GN/O-M - 3209031

## Approvals

UL Recognized

| | B | C | D |
|---|---|---|---|
| mm²/AWG/kcmil | 28-12 | 28-12 | 28-12 |
| Nominal current IN | 10 A | 18 A | 10 A |
| Nominal voltage UN | 300 V | 150 V | 300 V |

cUL Recognized

| | B | C | D |
|---|---|---|---|
| mm²/AWG/kcmil | 28-12 | 28-12 | 28-12 |
| Nominal current IN | 10 A | 18 A | 10 A |
| Nominal voltage UN | 300 V | 150 V | 300 V |

EAC

EAC

cULus Recognized

## Drawings

Circuit diagram