

# Sensor/actuator terminal block - STIO 2,5/3-PE/B/L-LA24GN/O-M - 3209141

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Sensor/actuator terminal block, Connection method: Spring-cage connection, Cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, Width: 5.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

The illustration shows a version with red LED

## 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
- ✓ The upper level is for signal wiring, whereas the two lower levels are used to distribute the positive and negative potential
- ✓ Potential is supplied via the STIO-IN power terminal blocks
- ✓ For space and time-saving wiring of three-conductor initiators and actuators

## Key commercial data

Packing unit	1 PCE
Minimum order quantity	50 PCE
Weight per Piece (excluding packing)	11.77 GRM
Custom tariff number	85369010
Country of origin	Poland

## Technical data

### General

Number of levels	3
Number of connections	4
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0
Rated surge voltage	4 kV

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## Technical data

### General

Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1 / IEC 60947-7-2
Nominal current $I_N$	18 A
Nominal voltage $U_N$	24 V (Light indicator, green)
Open side panel	ja

### Dimensions

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

### Connection data

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

## Classifications

### eCl@ss

eCl@ss 4.0	27141118
eCl@ss 4.1	27141118
eCl@ss 5.0	27141118
eCl@ss 5.1	27141118

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## Classifications

### eCl@ss

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 / GOST / cULus Recognized

#### Ex Approvals

#### Approvals submitted

## Approval details

UL Recognized			
	B	C	D
mm <sup>2</sup> /AWG/kcmil	28-12	28-12	28-12

# Sensor/actuator terminal block - STIO 2,5/3-PE/B/L-LA24GN/O-M - 3209141

## Approvals

	B	C	D
Nominal current IN	10 A	18 A	10 A
Nominal voltage UN	300 V	150 V	300 V

cUL Recognized

	B	C	D
mm <sup>2</sup> /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

GOST

cULus Recognized

## Accessories

### Accessories

#### Bridge

Plug-in bridge - FBS 2-5 - 3030161



Plug-in bridge, Number of positions: 2, Color: red

Plug-in bridge - FBS 3-5 - 3030174



Plug-in bridge, Number of positions: 3, Color: red

## Sensor/actuator terminal block - STIO 2,5/3-PE/B/L-LA24GN/O-M - 3209141

### Accessories

Plug-in bridge - FBS 4-5 - 3030187



Plug-in bridge, Number of positions: 4, Color: red

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Plug-in bridge - FBS 5-5 - 3030190



Plug-in bridge, Number of positions: 5, Color: red

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Plug-in bridge - FBS 10-5 - 3030213



Plug-in bridge, Number of positions: 10, Color: red

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Plug-in bridge - FBS 20-5 - 3030226



Plug-in bridge, Number of positions: 20, Color: red

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Plug-in bridge - FBS 50-5 - 3038930



Plug-in bridge, Number of positions: 50, Color: red

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## Sensor/actuator terminal block - STIO 2,5/3-PE/B/L-LA24GN/O-M - 3209141

### Accessories

Plug-in bridge - FBS 2-5 BU - 3036877



Plug-in bridge, Number of positions: 2, Color: blue

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Plug-in bridge - FBS 3-5 BU - 3036880



Plug-in bridge, Number of positions: 3, Color: blue

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Plug-in bridge - FBS 4-5 BU - 3036893



Plug-in bridge, Number of positions: 4, Color: blue

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Plug-in bridge - FBS 5-5 BU - 3036903



Plug-in bridge, Number of positions: 5, Color: blue

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Plug-in bridge - FBS 10-5 BU - 3036916



Plug-in bridge, Number of positions: 10, Color: blue

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## Sensor/actuator terminal block - STIO 2,5/3-PE/B/L-LA24GN/O-M - 3209141

### Accessories

Plug-in bridge - FBS 20-5 BU - 3036929



Plug-in bridge, Number of positions: 20, Color: blue

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Plug-in bridge - FBS 50-5 BU - 3032114



Plug-in bridge, Number of positions: 50, Color: blue

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Plug-in bridge - FBS 2-5 GY - 3038969



Plug-in bridge, Number of positions: 2, Color: gray

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Plug-in bridge - FBS 3-5 GY - 3038972



Plug-in bridge, Number of positions: 3, Color: gray

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Plug-in bridge - FBS 4-5 GY - 3038985



Plug-in bridge, Number of positions: 4, Color: gray

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## Sensor/actuator terminal block - STIO 2,5/3-PE/B/L-LA24GN/O-M - 3209141

### Accessories

Plug-in bridge - FBS 5-5 GY - 3038998



Plug-in bridge, Number of positions: 5, Color: gray

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Plug-in bridge - FBS 10-5 GY - 3039007



Plug-in bridge, Number of positions: 10, Color: gray

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Plug-in bridge - FBS 20-5 GY - 3038671



Plug-in bridge, Number of positions: 20, Color: gray

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Plug-in bridge - FBS 50-5 GY - 3032127



Plug-in bridge, Number of positions: 50, Color: gray

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### Documentation

Mounting material - ST-IL - 3039900

Operating decal for the ST terminal block





## Sensor/actuator terminal block - STIO 2,5/3-PE/B/L-LA24GN/O-M - 3209141

### Accessories

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#### End cover

End cover - D-STIO 2,5/3 - 3209112



End cover, Length: 72.5 mm, Width: 2.2 mm, Color: gray

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#### Labeled terminal marker

Zack marker strip - ZB 5 CUS - 0824962



Zack marker strip, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Snap into tall marker groove, For terminal block width: 5.2 mm, Lettering field: 5.15 x 10.5 mm

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Marker for terminal blocks - UC-TM 5 CUS - 0824581



Marker for terminal blocks, Can be ordered: By sheet, white, Labeled according to customer specifications, Mounting type: Snap into tall marker groove, For terminal block width: 5.2 mm, Lettering field: 10.5 x 4.6 mm

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Marker for terminal blocks - UCT-TM 5 CUS - 0829595



Marker for terminal blocks, Can be ordered: By sheet, white, Labeled according to customer specifications, Mounting type: Snap into tall marker groove, Lettering field: 4.6 x 10.5 mm

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## Sensor/actuator terminal block - STIO 2,5/3-PE/B/L-LA24GN/O-M - 3209141

### Accessories

Zack Marker strip, flat - ZBF 5 CUS - 0825025



Zack Marker strip, flat, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Snap into flat marker groove, For terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

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Marker for terminal blocks - UC-TMF 5 CUS - 0824638



Marker for terminal blocks, Can be ordered: By sheet, white, Labeled according to customer specifications, Mounting type: Snap into flat marker groove, For terminal block width: 5.2 mm, Lettering field: 4.6 x 5.1 mm

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Marker for terminal blocks - UCT-TMF 5 CUS - 0829658



Marker for terminal blocks, Can be ordered: By sheet, white, Labeled according to customer specifications, Mounting type: Snap into flat marker groove, For terminal block width: 5.2 mm, Lettering field: 4.4 x 4.7 mm

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### Mounting rail

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

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DIN rail - NS 35/ 7,5 UNPERF 2000MM - 0801681



DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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### Accessories

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DIN rail - NS 35/ 7,5 WH PERF 2000MM - 1204119



DIN rail 35 mm (NS 35)

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DIN rail - NS 35/ 7,5 WH UNPERF 2000MM - 1204122



DIN rail 35 mm (NS 35)

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DIN rail, unperforated - NS 35/ 7,5 AL UNPERF 2000MM - 0801704



DIN rail, unperforated, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver

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DIN rail - NS 35/ 7,5 ZN PERF 2000MM - 1206421



DIN rail, material: Galvanized, perforated, height 7.5 mm, width 35 mm, length: 2 m

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DIN rail - NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



DIN rail, material: Galvanized, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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# Sensor/actuator terminal block - STIO 2,5/3-PE/B/L-LA24GN/O-M - 3209141

## Accessories

DIN rail - NS 35/ 7,5 CU UNPERF 2000MM - 0801762



DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

End cap - NS 35/ 7,5 CAP - 1206560



DIN rail end piece, for DIN rail NS 35/7.5

## Terminal marking

Zack marker strip - ZB 5 :UNBEDRUCKT - 1050004



Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 5.2 mm, Lettering field: 5.1 x 10.5 mm

Marker for terminal blocks - UC-TM 5 - 0818108



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 5.2 mm, Lettering field: 10.5 x 4.6 mm

Marker for terminal blocks - UCT-TM 5 - 0828734



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: THERMOMARK CARD PLUS, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, Mounting type: Snap into tall marker groove, For terminal block width: 5.2 mm, Lettering field: 4.6 x 10.5 mm

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### Accessories

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Zack Marker strip, flat - ZBF 5:UNBEDRUCKT - 0808642



Zack Marker strip, flat, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 5 mm, Lettering field: 5.1 x 5.2 mm

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Marker for terminal blocks - UC-TMF 5 - 0818153



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 5.2 mm, Lettering field: 4.6 x 5.1 mm

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Marker for terminal blocks - UCT-TMF 5 - 0828744



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: THERMOMARK CARD PLUS, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, Mounting type: Snap into flat marker groove, For terminal block width: 5.2 mm, Lettering field: 4.4 x 4.7 mm

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