

## Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

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Protective conductor double-level terminal block, Cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, Connection type: Push-in connection, Width: 5.2 mm, Color: green-yellow, Mounting type: NS 35/7.5, NS 35/15

### Why buy this product

- ☒ Same shape and pitch as the feed-through terminal blocks
- ☒ Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- ☒ All the requirements of standard IEC 60947-7-2 are met



### Key commercial data

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit           | 0                                                                                                       |
| Minimum order quantity | 50                                                                                                      |
| Catalog page           | Page 101 (CL1-2011)                                                                                     |
| GTIN                   | <br>4 046356 419017 |
| Custom tariff number   | 85369010                                                                                                |
| Country of origin      | GERMANY                                                                                                 |

### Technical data

#### General

|                                         |              |
|-----------------------------------------|--------------|
| Number of levels                        | 2            |
| Number of connections                   | 4            |
| Color                                   | green-yellow |
| Insulating material                     | PA           |
| Inflammability class according to UL 94 | V0           |

#### Dimensions

|                  |         |
|------------------|---------|
| Width            | 5.2 mm  |
| Length           | 68 mm   |
| Height NS 35/7.5 | 47.5 mm |
| Height NS 35/15  | 55 mm   |

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## Technical data

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|                                                                       |                                                        |
|-----------------------------------------------------------------------|--------------------------------------------------------|
| Rated surge voltage                                                   | 6 kV                                                   |
| Pollution degree                                                      | 3                                                      |
| Surge voltage category                                                | III                                                    |
| Insulating material group                                             | I                                                      |
| Connection in acc. with standard                                      | IEC 60947-7-2                                          |
| Open side panel                                                       | ja                                                     |
| Shock protection test specification                                   | DIN EN 50274 (VDE 0660-514):2002-11                    |
| Back of the hand protection                                           | guaranteed                                             |
| Finger protection                                                     | guaranteed                                             |
| Test specification, oscillation, broadband noise                      | DIN EN 50155 (VDE 0115-200):2008-03                    |
| Test spectrum                                                         | Service life test category 1, class B, on vehicle body |
| Test frequency                                                        | f1 = 5 Hz to f2 = 150 Hz                               |
| ASD level                                                             | 1.857 (m/s <sup>2</sup> ) <sup>2</sup> /Hz             |
| Acceleration                                                          | 0.8 g                                                  |
| Test duration per axis                                                | 5 h                                                    |
| Test directions                                                       | X-, Y- and Z-axis                                      |
| Oscillation, broadband noise test result                              | Test passed                                            |
| Test specification, shock test                                        | DIN EN 50155 (VDE 0115-200):2008-03                    |
| Shock form                                                            | Half-sine                                              |
| Acceleration                                                          | 5 g                                                    |
| Shock duration                                                        | 30 ms                                                  |
| Number of shocks per direction                                        | 3                                                      |
| Test directions                                                       | X-, Y- and Z-axis (pos. and neg.)                      |
| Shock test result                                                     | Test passed                                            |
| Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C                                                 |
| Static insulating material application in cold                        | -60 °C                                                 |

### Connection data

|                                                                            |                      |
|----------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                         | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.                                         | 4 mm <sup>2</sup>    |
| Conductor cross section stranded min.                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded max.                                      | 2.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                     | 26                   |
| 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>  |

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## Technical data

### Connection data

|                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm <sup>2</sup> |
| Connection method                                                                       | Push-in connection  |
| Stripping length                                                                        | 10 mm               |
| Internal cylindrical gage                                                               | A3                  |

## Classifications

### eclass

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141118 |
| eCl@ss 4.1 | 27141118 |
| eCl@ss 5.0 | 27141118 |
| eCl@ss 5.1 | 27141118 |
| eCl@ss 6.0 | 27141141 |
| eCl@ss 7.0 | 27141141 |

### etim

|          |          |
|----------|----------|
| ETIM 2.0 | EC000901 |
| ETIM 3.0 | EC000901 |
| ETIM 4.0 | EC000901 |
| ETIM 5.0 | EC000901 |

### unspsc

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

## Approvals

### Approvals

#### Approvals

CSA / UL Recognized / cUL Recognized / GOST / LR / GL / RS / ABS / NK / BV / cULus Recognized

#### Ex Approvals

ATEX / IECEx

#### Approvals submitted

# Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

## Approvals

### Approval details

|                                                                                       |       |
|---------------------------------------------------------------------------------------|-------|
| CSA  |       |
| mm²/AWG/kcmil                                                                         | 26-12 |

|                                                                                                 |       |       |
|-------------------------------------------------------------------------------------------------|-------|-------|
| UL Recognized  |       |       |
|                                                                                                 | B     | C     |
| mm²/AWG/kcmil                                                                                   | 26-12 | 26-12 |

|                                                                                                    |       |       |
|----------------------------------------------------------------------------------------------------|-------|-------|
| cUL Recognized  |       |       |
|                                                                                                    | B     | C     |
| mm²/AWG/kcmil                                                                                      | 26-12 | 26-12 |

|                                                                                          |
|------------------------------------------------------------------------------------------|
| GOST  |
|------------------------------------------------------------------------------------------|

|    |
|----|
| LR |
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| GL |
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|----|
| RS |
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|     |
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| ABS |
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|    |
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| NK |
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|    |
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| BV |
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|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| cULus Recognized  |
|------------------------------------------------------------------------------------------------------|

## Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

### Accessories

#### Accessories

#### Assembly

Partition plate - ATP-STTB 4 - 3030747



Partition plate, Length: 88.7 mm, Width: 2 mm, Height: 53 mm, Color: gray

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End clamp - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, can be fitted with ZB 5 and ZBF 5 zack marker strip, KLM 2, KLM3, and KML3L terminal strip marker, parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

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

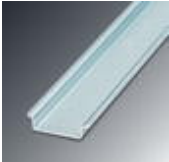


DIN rail 35 mm (NS 35)

## Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

### Accessories

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



DIN rail 35 mm (NS 35)

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



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

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

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

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

## Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

### Accessories

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

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



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DIN rail perforated - NS 35/15 PERF 2000MM - 1201730



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

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DIN rail - NS 35/15 UNPERF 2000MM - 1201714



DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

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DIN rail - NS 35/15 WH PERF 2000MM - 0806602



DIN rail 35 mm (NS 35)

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DIN rail - NS 35/15 WH UNPERF 2000MM - 1204135



DIN rail 35 mm (NS 35)

## Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

### Accessories

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756



DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm

DIN rail - NS 35/15 ZN PERF 2000MM - 1206599



DIN rail, material: Galvanized, perforated, height 15 mm, width 35 mm, length: 2 m

DIN rail - NS 35/15 ZN UNPERF 2000MM - 1206586



DIN rail, material: Galvanized, unperforated, height 15 mm, width 35 mm, length: 2 m

DIN rail - NS 35/15 CU UNPERF 2000MM - 1201895



DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

End cap - NS 35/15 CAP - 1206573



DIN rail end piece, for DIN rail NS 35/15

## Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

### Accessories

DIN rail - NS 35/15-2,3 UNPERF 2000MM - 1201798



DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

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### Bridges

Plug-in bridge - FBS 2-5 - 3030161



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

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Plug-in bridge - FBS 3-5 - 3030174



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

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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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## Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

### Accessories

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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### Covers

End cover - D-PTTB 2,5 - 3211634



End cover, Length: 68 mm, Width: 2.2 mm, Color: gray

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### Marking

Marker carriers - STP 5-2 - 0800967



Double marker carrier, snaps onto the double-level spring-cage terminal block STTB 2.5 and STTB 4, labeled with ZB 5 or ZBF 5

## Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

### Accessories

Marker carriers - STP 5-2/S - 0800970



Double marker carrier, snaps onto the double-level spring-cage terminal block ZFKK 1,5, with MSTBV or ICV pick-off

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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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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 - 0818153



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: Bluemark, 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 - 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

## Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

### Accessories

Marker for terminal blocks - UCT-TMF 5 - 0828744



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: Thermomark C, Bluemark, Mounting type: Snap into flat marker groove, For terminal block width: 5.2 mm, Lettering field: 4.4 x 4.7 mm

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

### Plug/Adapter

Insulation stop sleeve - ISH 2,5/0,2 - 3002843



Insulation stop sleeve, Color: white

Insulation stop sleeve - ISH 2,5/0,5 - 3002856



Insulation stop sleeve, Color: gray

Insulation stop sleeve - ISH 2,5/1,0 - 3002869



Insulation stop sleeve, Color: black

## Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

### Accessories

Test adapter - PAI-4-N GY - 3032871



Test adapter, Color: gray

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Test adapter - PS-5 - 3030983



Test adapter, Color: red

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Spacer plate - DP PS-5 - 3036725



Spacer plate, Color: red

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Test plugs - MPS-MT - 0201744



Test plugs

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Insulating sleeve - MPS-IH WH - 0201663



Insulating sleeve, Color: white

## Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

### Accessories

Insulating sleeve - MPS-IH RD - 0201676



Insulating sleeve, Color: red

Insulating sleeve - MPS-IH BU - 0201689



Insulating sleeve, Color: blue

Insulating sleeve - MPS-IH YE - 0201692



Insulating sleeve, Color: yellow

Insulating sleeve - MPS-IH GN - 0201702



Insulating sleeve, Color: green

Insulating sleeve - MPS-IH GY - 0201728



Insulating sleeve, Color: gray

# Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

## Accessories

Insulating sleeve - MPS-IH BK - 0201731



Insulating sleeve, Color: black

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## Software

Software - CLIP-PROJECT ADVANCED - 5146040



Multilingual software for easy planning of Phoenix Contact on DIN rails together with the integrated TRABTECH-select software module for planning comprehensive surge protection concepts.

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Software - CLIP-PROJECT PROFESSIONAL - 5146053



Multi-lingual software for terminal strip project planning. A marking module allows professional labeling of markers and labels for marking terminal blocks, conductors, cables and devices. The additionally integrated software module TRABTECH-select for planning comprehensive surge protection concepts.

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## Tools

Screwdriver - SZF 1-0,6X3,5 - 1204517

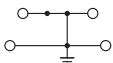


Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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## Drawings

Circuit diagram



Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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