

## Double-level terminal block - PTTBS 1,5/S - 3214657

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Double-level terminal block, Cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, AWG: 26 - 14, Connection type: Push-in connection, Width: 3.5 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

### Product Features

- ✓ The push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors
- ✓ The compact design and front connection enable wiring in a confined space
- ✓ In addition to the testing facility in the double function shaft, all terminal blocks provide an additional test connection



### Key commercial data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 PCE    |
| Minimum order quantity               | 50 PCE   |
| Weight per Piece (excluding packing) | 8.4 GRM  |
| Custom tariff number                 | 85369010 |
| Country of origin                    | Poland   |

### Technical data

#### General

|                                         |               |
|-----------------------------------------|---------------|
| Number of levels                        | 2             |
| Number of connections                   | 4             |
| Color                                   | gray          |
| Insulating material                     | PA            |
| Inflammability class according to UL 94 | V0            |
| Rated surge voltage                     | 6 kV          |
| Surge voltage category                  | III           |
| Insulating material group               | I             |
| Connection in acc. with standard        | IEC 60947-7-1 |
| Nominal current I <sub>N</sub>          | 16 A          |

# Double-level terminal block - PTTBS 1,5/S - 3214657

## Technical data

### General

|                                                                                 |                                                     |
|---------------------------------------------------------------------------------|-----------------------------------------------------|
| Nominal voltage $U_N$                                                           | 500 V                                               |
| 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                                          |
| Surge voltage test setpoint                                                     | 7.3 kV                                              |
| Result of surge voltage test                                                    | Test passed                                         |
| Power frequency withstand voltage setpoint                                      | 1.89 kV                                             |
| Result of power-frequency withstand voltage test                                | Test passed                                         |
| Checking the mechanical stability of terminal points (5 x conductor connection) | Test passed                                         |
| Bending test rotation speed                                                     | 10 rpm                                              |
| Bending test turns                                                              | 135                                                 |
| Bending test conductor cross section/weight                                     | 0.14 mm <sup>2</sup> / 0.2 kg                       |
|                                                                                 | 1.5 mm <sup>2</sup> / 0.4 kg                        |
| Result of bending test                                                          | Test passed                                         |
| Conductor cross section tensile test                                            | 0.14 mm <sup>2</sup>                                |
| Tractive force setpoint                                                         | 10 N                                                |
| Conductor cross section tensile test                                            | 1.5 mm <sup>2</sup>                                 |
| Tractive force setpoint                                                         | 40 N                                                |
| Tensile test result                                                             | Test passed                                         |
| Tight fit on carrier                                                            | NS 35                                               |
| Setpoint                                                                        | 1 N                                                 |
| Result of tight fit test                                                        | Test passed                                         |
| Requirements, voltage drop                                                      | ≤ 3.2 mV                                            |
| Result of voltage drop test                                                     | Test passed                                         |
| Temperature-rise test                                                           | Test passed                                         |
| Conductor cross section short circuit testing                                   | 1.5 mm <sup>2</sup>                                 |
| Short-time current                                                              | 0.18 kA                                             |
| Short circuit stability result                                                  | Test passed                                         |
| Ageing test for screwless modular terminal block temperature cycles             | 192                                                 |
| Result of aging test                                                            | Test passed                                         |
| Proof of thermal characteristics (needle flame) effective duration              | 30 s                                                |
| Result of thermal test                                                          | Test passed                                         |
| Test specification, oscillation, broadband noise                                | DIN EN 50155 (VDE 0115-200):2008-03                 |
| Test spectrum                                                                   | Service life test category 1, class B, body mounted |
| Test frequency                                                                  | $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$      |

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### Technical data

#### General

|                                                                       |                                            |
|-----------------------------------------------------------------------|--------------------------------------------|
| 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                                     |

#### Dimensions

|                  |         |
|------------------|---------|
| Width            | 3.5 mm  |
| Length           | 78.8 mm |
| Height NS 35/7,5 | 48.2 mm |
| Height NS 35/15  | 55.7 mm |

#### Connection data

|                                                                            |                      |
|----------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                         | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.                                         | 1.5 mm <sup>2</sup>  |
| Conductor cross section stranded min.                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded max.                                      | 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                     | 26                   |
| Conductor cross section AWG/kcmil max                                      | 14                   |
| 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. | 1.5 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.    | 1 mm <sup>2</sup>    |
| Connection method                                                          | Push-in connection   |
| Stripping length                                                           | 8 mm                 |
| Internal cylindrical gage                                                  | A1 / B1              |

## Double-level terminal block - PTTBS 1,5/S - 3214657

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141121 |
| eCl@ss 4.1 | 27141121 |
| eCl@ss 5.0 | 27141120 |
| eCl@ss 5.1 | 27141120 |
| eCl@ss 6.0 | 27141120 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141120 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 |

#### UNSPSC

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

### Approvals

#### Approvals

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#### Approvals

UL Recognized / cUL Recognized / GOST / GL / LR / CSA / GOST / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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#### Approval details

## Double-level terminal block - PTTBS 1,5/S - 3214657

### Approvals

| UL Recognized  |       |       |       |
|-------------------------------------------------------------------------------------------------|-------|-------|-------|
|                                                                                                 | B     | C     | D     |
| mm <sup>2</sup> /AWG/kcmil                                                                      | 26-14 | 26-14 | 26-14 |
| Nominal current I <sub>N</sub>                                                                  | 15 A  | 15 A  | 5 A   |
| Nominal voltage U <sub>N</sub>                                                                  | 300 V | 300 V | 600 V |

| cUL Recognized  |       |       |       |
|--------------------------------------------------------------------------------------------------|-------|-------|-------|
|                                                                                                  | B     | C     | D     |
| mm <sup>2</sup> /AWG/kcmil                                                                       | 26-14 | 26-14 | 26-14 |
| Nominal current I <sub>N</sub>                                                                   | 15 A  | 15 A  | 5 A   |
| Nominal voltage U <sub>N</sub>                                                                   | 300 V | 300 V | 600 V |

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

|    |  |  |  |
|----|--|--|--|
| GL |  |  |  |
|----|--|--|--|

|    |  |  |  |
|----|--|--|--|
| LR |  |  |  |
|----|--|--|--|

| CSA  |       |       |       |
|-----------------------------------------------------------------------------------------|-------|-------|-------|
|                                                                                         | B     | C     | D     |
| mm <sup>2</sup> /AWG/kcmil                                                              | 26-14 | 26-14 | 26-14 |
| Nominal current I <sub>N</sub>                                                          | 15 A  | 15 A  | 5 A   |
| Nominal voltage U <sub>N</sub>                                                          | 300 V | 300 V | 600 V |

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

## Double-level terminal block - PTTBS 1,5/S - 3214657

### Approvals

cULus Recognized  US

### Accessories

#### Accessories

##### Bridge

Jumper - FBS 1,5/S-PV - 3216263



Jumper, Length: 3 mm, Width: 3.5 mm, Color: black

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Jumper - FBS 2-3,5 - 3213014



Jumper, Number of positions: 2, Color: red

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Jumper - FBS 3-3,5 - 3213027



Jumper, Number of positions: 3, Color: red

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Jumper - FBS 4-3,5 - 3213030



Jumper, Number of positions: 4, Color: red

## Double-level terminal block - PTTBS 1,5/S - 3214657

### Accessories

Jumper - FBS 5-3,5 - 3213043



Jumper, Number of positions: 5, Color: red

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Jumper - FBS 10-3,5 - 3213056



Jumper, Number of positions: 10, Color: red

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Jumper - FBS 20-3,5 - 3213069



Jumper, Number of positions: 20, Color: red

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### Documentation

Mounting material - PT-IL - 3208090

Operating decal for the Push-in Technology



### End block

End clamp - CLIPFIX 35 - 3022218



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

## Double-level terminal block - PTTBS 1,5/S - 3214657

### Accessories

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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, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

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#### End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

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#### End cover

##### End cover - D-PTTBS 1,5/S - 3214699



End cover, Length: 78 mm, Width: 2.2 mm, Color: gray

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#### Insulating sleeve

##### Insulating sleeve - MPS-IH WH - 0201663



Insulating sleeve, Color: white

## Double-level terminal block - PTTBS 1,5/S - 3214657

### Accessories

Insulating sleeve - MPS-IH RD - 0201676



Insulating sleeve, Color: red

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Insulating sleeve - MPS-IH BU - 0201689



Insulating sleeve, Color: blue

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Insulating sleeve - MPS-IH YE - 0201692



Insulating sleeve, Color: yellow

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Insulating sleeve - MPS-IH GN - 0201702



Insulating sleeve, Color: green

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Insulating sleeve - MPS-IH GY - 0201728



Insulating sleeve, Color: gray

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## Double-level terminal block - PTTBS 1,5/S - 3214657

### Accessories

Insulating sleeve - MPS-IH BK - 0201731



Insulating sleeve, Color: black

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### Labeled terminal marker

Zack marker strip - ZB 3,5 CUS - 0829415



Zack marker strip, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Snap into tall marker groove, For terminal block width: 3.5 mm, Lettering field: 3.5 x 10.5 mm

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Marker for terminal blocks - UCT-TM 3,5 CUS - 0829581



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: 3.5 mm, Lettering field: 2.95 x 10.5 mm

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Zack Marker strip, flat - ZBF 3,5 CUS - 0829394



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: 3.5 mm, Lettering field: 3.5 x 5.2 mm

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Marker for terminal blocks - UCT-TMF 3,5 CUS - 0829644



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: 3.5 mm, Lettering field: 2.7 x 4.7 mm

## Double-level terminal block - PTTBS 1,5/S - 3214657

### Accessories

#### Marker carriers

Marker carriers - STP 3,5-2 - 0830131



Double marker carrier, can be snapped into the PTTB 1,5/S Push-in double-level terminal block, can be labeled with ZB 3,5 or ZBF 3,5

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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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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)

## Double-level terminal block - PTTBS 1,5/S - 3214657

### Accessories

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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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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

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



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

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## Double-level terminal block - PTTBS 1,5/S - 3214657

### Accessories

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

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



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

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



DIN rail 35 mm (NS 35)

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



DIN rail 35 mm (NS 35)

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

## Double-level terminal block - PTTBS 1,5/S - 3214657

### Accessories

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



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

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



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

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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

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End cap - NS 35/15 CAP - 1206573



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

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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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### Partition plate

## Double-level terminal block - PTTBS 1,5/S - 3214657

### Accessories

Partition plate - ATP-STTB 4 - 3030747



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

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### Planning and marking 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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### Screwdriver 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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Screwdriver - SZF 0-0,4X2,5 - 1204504



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

## Double-level terminal block - PTTBS 1,5/S - 3214657

### Accessories

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#### Terminal marking

##### Zack marker strip - ZB 3,5:UNBEDRUCKT - 0829414



Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 3.5 mm, Lettering field: 3.5 x 10.5 mm

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##### Marker for terminal blocks - UCT-TM 3,5 - 0829484



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: 3.5 mm, Lettering field: 2.95 x 10.5 mm

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##### Zack Marker strip, flat - ZBF 3,5:UNBEDRUCKT - 0829392



Zack Marker strip, flat, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 3.5 mm, Lettering field: 3.5 x 5.2 mm

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##### Marker for terminal blocks - UCT-TMF 3,5 - 0829486



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: 3.5 mm, Lettering field: 2.7 x 4.7 mm

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#### Test plug terminal block

## Double-level terminal block - PTTBS 1,5/S - 3214657

### Accessories

Test plugs - MPS-MT - 0201744

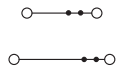


Test plugs, Color: silver

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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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