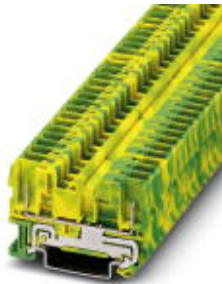


## Ground modular terminal block - ST 4/ 2P-PE - 3042748

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Ground modular terminal block, Connection method: Spring-cage/plug-in connection, Cross section: 0.08 mm² - 6 mm², AWG: 28 - 10, Width: 6.2 mm, Color: green-yellow, Mounting type: NS 35/7,5, NS 35/15

### Product Features

- ✓ Same shape and pitch as the PIN/PIN versions of the COMBI series
- ✓ Tested for railway applications
- ✓ Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- ✓ ST ...-PE meet all the requirements of standard IEC 60947-7-2



### Key commercial data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 1      |
| Weight per Piece (excluding packing) | 10.4 GRM |
| Custom tariff number                 | 85369010 |
| Country of origin                    | Poland   |

### Technical data

#### General

|                                         |                        |
|-----------------------------------------|------------------------|
| Number of levels                        | 1                      |
| Number of connections                   | 2                      |
| Color                                   | green-yellow           |
| Insulating material                     | PA                     |
| Inflammability class according to UL 94 | V0                     |
| Area of application                     | Railway industry       |
|                                         | Mechanical engineering |
|                                         | Plant engineering      |
| Rated surge voltage                     | 6 kV                   |
| Pollution degree                        | 3                      |
| Surge voltage category                  | III                    |

# Ground modular terminal block - ST 4/ 2P-PE - 3042748

## Technical data

### General

|                                  |           |
|----------------------------------|-----------|
| Insulating material group        | I         |
| Connection in acc. with standard | IEC 61984 |
| Open side panel                  | ja        |

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 6.2 mm  |
| Length           | 55.9 mm |
| Height NS 35/7,5 | 36.5 mm |
| Height NS 35/15  | 44 mm   |

### Connection data

|                                                                                         |                                |
|-----------------------------------------------------------------------------------------|--------------------------------|
| Conductor cross section solid min.                                                      | 0.08 mm <sup>2</sup>           |
| Conductor cross section solid max.                                                      | 6 mm <sup>2</sup>              |
| Conductor cross section AWG/kcmil min.                                                  | 28                             |
| Conductor cross section AWG/kcmil max                                                   | 10                             |
| Conductor cross section stranded min.                                                   | 0.08 mm <sup>2</sup>           |
| Conductor cross section stranded max.                                                   | 4 mm <sup>2</sup>              |
| Min. AWG conductor cross section, stranded                                              | 28                             |
| Max. AWG conductor cross section, stranded                                              | 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.              | 4 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.                 | 4 mm <sup>2</sup>              |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup>            |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1 mm <sup>2</sup>              |
| Connection method                                                                       | Spring-cage/plug-in connection |
| Minimum stripping length                                                                | 8 mm                           |
| Maximum 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 |
| eCl@ss 6.0 | 27141141 |

## Ground modular terminal block - ST 4/ 2P-PE - 3042748

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 7.0 | 27141141 |
| eCl@ss 8.0 | 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

VDE Gutachten mit Fertigungsüberwachung / GOST / IEC CB Scheme / GOST

#### Ex Approvals

#### Approvals submitted

#### Approval details

|                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------|
| VDE Gutachten mit Fertigungsüberwachung  |
|-----------------------------------------------------------------------------------------------------------------------------|

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

## Ground modular terminal block - ST 4/ 2P-PE - 3042748

### Approvals

IECEE CB Scheme 

GOST 

### Accessories

#### Accessories

#### Bridge

Plug-in bridge - FBS 2-6 - 3030336



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

Plug-in bridge - FBS 3-6 - 3030242



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

Plug-in bridge - FBS 4-6 - 3030255



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

## Ground modular terminal block - ST 4/ 2P-PE - 3042748

### Accessories

Plug-in bridge - FBS 5-6 - 3030349



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

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Plug-in bridge - FBS 10-6 - 3030271



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

---

Plug-in bridge - FBS 20-6 - 3030365



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

---

Plug-in bridge - FBS 50-6 - 3032224



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

---

### Coding element

Coding star - PC - 3040588



Coding star, Length: 3 mm, Width: 3 mm, Height: 6 mm, Color: red

---

## Ground modular terminal block - ST 4/ 2P-PE - 3042748

### Accessories

#### Documentation

Mounting material - ST-IL - 3039900

Operating decal for the ST terminal block



---

### End cover

End cover - D-ST 4 - 3030420



End cover, Length: 56 mm, Width: 2.2 mm, Height: 36.5 mm, Color: gray

---

Spacer plate - DP PS-6 - 3036738



Spacer plate, Color: red

---

### Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663



Insulating sleeve, Color: white

## Ground modular terminal block - ST 4/ 2P-PE - 3042748

### 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

## Ground modular terminal block - ST 4/ 2P-PE - 3042748

### Accessories

Insulating sleeve - MPS-IH BK - 0201731



Insulating sleeve, Color: black

---

Insulating sleeve - ISH 4/0,5 - 3002885



Insulating sleeve, Color: gray

---

Insulating sleeve - ISH 4/1,0 - 3002898



Insulating sleeve, Color: black

---

### Labeled terminal marker

Zack marker strip - ZB 6 CUS - 0824992



Zack marker strip, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Snap into tall marker groove, For terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

---

Marker for terminal blocks - UC-TM 6 CUS - 0824589



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: 6.2 mm, Lettering field: 5.6 x 10.5 mm

## Ground modular terminal block - ST 4/ 2P-PE - 3042748

### Accessories

#### Marker for terminal blocks - UCT-TM 6 CUS - 0829602



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: 6.2 mm, Lettering field: 5.6 x 10.5 mm

---

#### Zack Marker strip, flat - ZBF 6 CUS - 0825027



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: 6.2 mm, Lettering field: 5.15 x 6.15 mm

---

#### Marker for terminal blocks - UC-TMF 6 CUS - 0824646



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: 6.2 mm, Lettering field: 5.6 x 5.1 mm

---

#### Marker for terminal blocks - UCT-TMF 6 CUS - 0829665



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: 6.2 mm, Lettering field: 5.4 x 4.7 mm

---

### Marker pen

#### Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

## Ground modular terminal block - ST 4/ 2P-PE - 3042748

### Accessories

Marker pen - X-PEN 0,35 - 0811228



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

---

### 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

---

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



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

---

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



DIN rail 35 mm (NS 35)

---

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



DIN rail 35 mm (NS 35)

## Ground modular terminal block - ST 4/ 2P-PE - 3042748

### Accessories

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

---

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

---

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



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

---

Partition plate

## Ground modular terminal block - ST 4/ 2P-PE - 3042748

### Accessories

Partition plate - ATP-ST 4 - 3030721



Partition plate, Length: 61 mm, Width: 2 mm, Height: 42 mm, Color: gray

---

### Terminal marking

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003



Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

---

Marker for terminal blocks - UC-TM 6 - 0818085



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: 6.2 mm, Lettering field: 5.6 x 10.5 mm

---

Marker for terminal blocks - UCT-TM 6 - 0828736



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: 6.2 mm, Lettering field: 5.6 x 10.5 mm

---

Zack Marker strip, flat - ZBF 6:UNBEDRUCKT - 0808710



Zack Marker strip, flat, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 6.2 mm, Lettering field: 5.15 x 6.15 mm

## Ground modular terminal block - ST 4/ 2P-PE - 3042748

### Accessories

#### Marker for terminal blocks - UC-TMF 6 - 0818140



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: 6.2 mm, Lettering field: 5.6 x 5.1 mm

---

#### Marker for terminal blocks - UCT-TMF 6 - 0828746



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: 6.2 mm, Lettering field: 5.4 x 4.7 mm

---

#### Test plug terminal block

##### Test plugs - MPS-MT - 0201744



Test plugs, Color: silver

---

##### Test adapter - PAI-4-FIX-5/6 BU - 3035975



Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft; color: Blue

---

##### Test adapter - PAI-4-FIX-5/6 OG - 3035974



Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft; color: Orange

## Ground modular terminal block - ST 4/ 2P-PE - 3042748

### Accessories

Test adapter - PAI-4-FIX-5/6 YE - 3035977



Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft; color: Yellow

---

Test adapter - PAI-4-FIX-5/6 RD - 3035976



Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft; color: Red

---

Test adapter - PAI-4-FIX-5/6 GN - 3035978



Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft; color: Green

---

Test adapter - PAI-4-FIX-5/6 BK - 3035980



Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft; color: Black

---

Test adapter - PAI-4-FIX-5/6 GY - 3035982



Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft; color: Gray

---

## Ground modular terminal block - ST 4/ 2P-PE - 3042748

### Accessories

Test adapter - PAI-4-FIX-5/6 VT - 3035979



Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft; color: Violet

---

Test adapter - PAI-4-FIX-5/6 BN - 3035981



Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft; color: Brown

---

Test adapter - PS-6 - 3030996



Test adapter, Color: red

---

Test plugs - PS-6/2,3MM RD - 3038736



Test plugs, Color: red

---

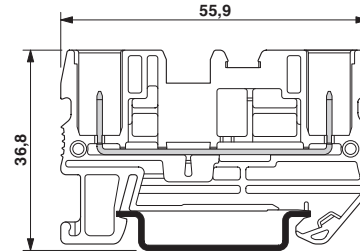
### Drawings

## Ground modular terminal block - ST 4/ 2P-PE - 3042748

Circuit diagram



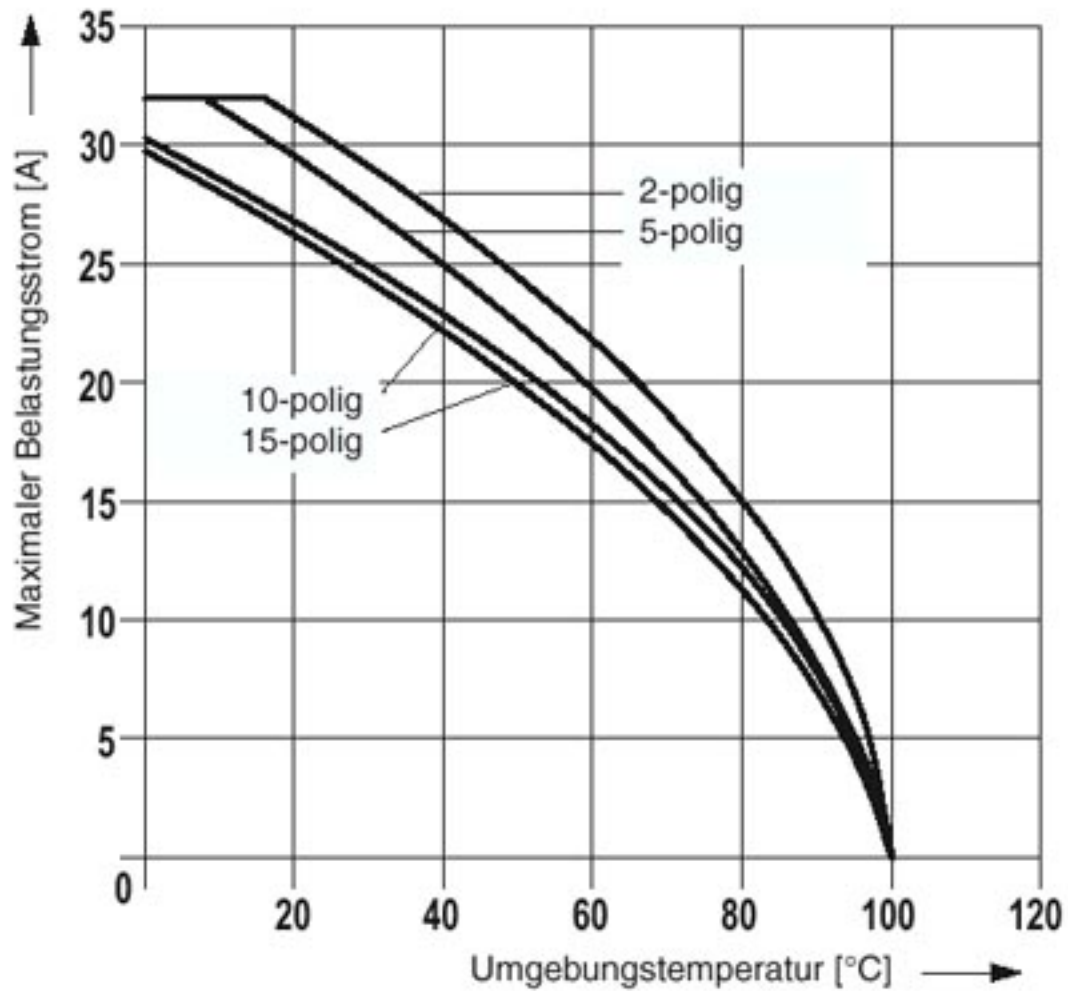
Dimensioned drawing



The illustration shows the terminal with the plug version SP 4/...

## Ground modular terminal block - ST 4/ 2P-PE - 3042748

Diagram



Derating curve for spring-cage terminals ST 4/1P.. and ST 4/2P.. with all plug versions SP 4/...  
The derating curves are determined by multiplying the values of the base curves by the factor 0.8.

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- Тестирование поставляемой продукции.
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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
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