

# Spring cage ground terminal block - ST 6-PE - 3031500

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Spring cage ground terminal block, Connection method: Spring-cage connection, Cross section: 0.2 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 24 - 8, Width: 8.2 mm, Color: green-yellow, Mounting type: NS 35/7,5, NS 35/15

## Product Features

- Additional labeling options
- Tested for railway applications
- Corrosion-free terminal points
- Low contact resistance
- Green-yellow housing



## Key commercial data

|                  |               |
|------------------|---------------|
| package_quantity | 50            |
| GTIN             | 4017918186968 |

## 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       |
| Area of application                     | Mechanical engineering |
| Area of application                     | Plant engineering      |
| Area of application                     | Process industry       |

### General

|                                  |               |
|----------------------------------|---------------|
| Rated surge voltage              | 8 kV          |
| Pollution degree                 | 3             |
| Surge voltage category           | III           |
| Insulating material group        | I             |
| Connection in acc. with standard | IEC 60947-7-2 |

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## Technical data

### General

|   |                                     |
|---|-------------------------------------|
| 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                          |
| Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21)) | 120 °C                              |

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 8.2 mm  |
| Length           | 69.5 mm |
| Height NS 35/7,5 | 43.5 mm |
| Height NS 35/15  | 51 mm   |

### Connection data

|   |                        |
|---|------------------------|
| Connection in acc. with standard  | IEC 60947-7-2          |
| Connection method   | Spring-cage connection |
| Conductor cross section solid min.  | 0.2 mm <sup>2</sup>    |
| Conductor cross section solid max.  | 10 mm <sup>2</sup>     |
| Conductor cross section AWG/kcmil min.  | 24                     |
| Conductor cross section AWG/kcmil max   | 8                      |
| Conductor cross section stranded min.   | 0.2 mm <sup>2</sup>    |
| Conductor cross section stranded max.   | 6 mm <sup>2</sup>      |
| Min. AWG conductor cross section, stranded  | 24                     |
| Max. AWG conductor cross section, stranded  | 10                     |
| Conductor cross section stranded, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup>   |
| Conductor cross section stranded, with ferrule without plastic sleeve max.              | 6 mm <sup>2</sup>      |
| Conductor cross section stranded, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup>   |
| Conductor cross section stranded, with ferrule with plastic sleeve max.                 | 6 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. | 1.5 mm <sup>2</sup>    |
| Stripping length  | 12 mm                  |
| Internal cylindrical gage   | A5                     |

## classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141118 |
| eCl@ss 4.1 | 27141118 |
| eCl@ss 5.0 | 27141118 |

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## classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27141118 |
| eCl@ss 6.0 | 27141141 |
| 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

IECEX / ATEX / CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / LR / GL / BV / DNV / RS / KR / NK / IECCEB Scheme / GOST / cULus Recognized /

### Approval details

|                            |       |
|----------------------------|-------|
| <b>IECEX</b>               |       |
| Nominal voltage UN         |       |
| Nominal current IN         |       |
| mm <sup>2</sup> /AWG/kcmil | 0.2-6 |

|                            |       |
|----------------------------|-------|
| <b>ATEX</b>                |       |
| Nominal voltage UN         |       |
| Nominal current IN         |       |
| mm <sup>2</sup> /AWG/kcmil | 0.2-6 |

|            |  |
|------------|--|
| <b>CSA</b> |  |
|------------|--|

# Spring cage ground terminal block - ST 6-PE - 3031500

## approvals

|                            |      |
|----------------------------|------|
| Nominal voltage UN         |      |
| Nominal current IN         |      |
| mm <sup>2</sup> /AWG/kcmil | 24-8 |

**UL Recognized**

|                            |      |
|----------------------------|------|
| Nominal voltage UN         |      |
| Nominal current IN         |      |
| mm <sup>2</sup> /AWG/kcmil | 24-8 |

**VDE Gutachten mit Fertigungsüberwachung**

|                            |       |
|----------------------------|-------|
| Nominal voltage UN         |       |
| Nominal current IN         |       |
| mm <sup>2</sup> /AWG/kcmil | 0.5-6 |

**cUL Recognized**

|                            |      |
|----------------------------|------|
| Nominal voltage UN         |      |
| Nominal current IN         |      |
| mm <sup>2</sup> /AWG/kcmil | 24-8 |

**GOST**

**LR**

**GL**

|                            |   |
|----------------------------|---|
| Nominal voltage UN         |   |
| Nominal current IN         |   |
| mm <sup>2</sup> /AWG/kcmil | 6 |

**BV**

# Spring cage ground terminal block - ST 6-PE - 3031500


approvals

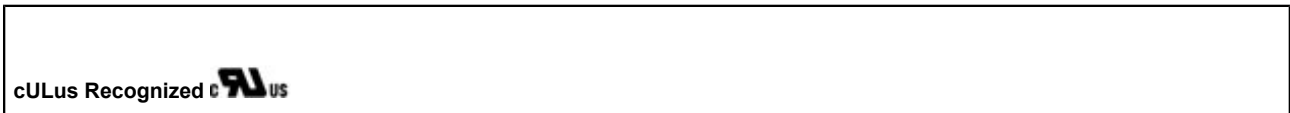
DNV

RS

KR

NK

|   |       |
|---|-------|
| IECEE CB Scheme  |       |
| Nominal voltage UN  |       |
| Nominal current IN  |       |
| mm <sup>2</sup> /AWG/kcmil  | 0.5-6 |



accessories

**End cover**

D-ST 6 - 3030433



DP PS-6 - 3036738



# Spring cage ground terminal block - ST 6-PE - 3031500

accessories

## Partition plate

ATP-ST 4 - 3030721



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## Screwdriver tools

SZF 2-0,8X4,0 - 1204520



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## Documentation

ST-IL - 3039900



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## Bridge

FBSR 2-8 - 3033808



FBSR 3-8 - 3001597



# Spring cage ground terminal block - ST 6-PE - 3031500

accessories

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FBSR 5-8 - 3033809



FBSR 10-8 - 3001599



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## Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



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



## Spring cage ground terminal block - ST 6-PE - 3031500

### accessories

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



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



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



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



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



NS 35/ 7,5 CAP - 1206560





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accessories

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NS 35/15 PERF 2000MM - 1201730



NS 35/15 UNPERF 2000MM - 1201714



NS 35/15 WH PERF 2000MM - 0806602



NS 35/15 WH UNPERF 2000MM - 1204135



NS 35/15 AL UNPERF 2000MM - 1201756



## Spring cage ground terminal block - ST 6-PE - 3031500

### accessories

NS 35/15 ZN PERF 2000MM - 1206599



NS 35/15 ZN UNPERF 2000MM - 1206586



NS 35/15 CU UNPERF 2000MM - 1201895



NS 35/15 CAP - 1206573



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



### Terminal marking

# Spring cage ground terminal block - ST 6-PE - 3031500

## accessories

ZB 8:UNBEDRUCKT - 1052002



UC-TM 8 - 0818072



UCT-TM 8 - 0828740



ZBF 8:UNBEDRUCKT - 0808781



UC-TMF 8 - 0818137



UCT-TMF 8 - 0828748



# Spring cage ground terminal block - ST 6-PE - 3031500

accessories

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## Labeled terminal marker

ZB 8 CUS - 0825011



UC-TM 8 CUS - 0824597



UCT-TM 8 CUS - 0829616



ZB 8,LGS:FORTL.ZAHLEN - 1052015



ZB 8,QR:FORTL.ZAHLEN - 1052028



## Spring cage ground terminal block - ST 6-PE - 3031500

### accessories

ZB 8,LGS:L1-N,PE - 1052413



ZBF 8 CUS - 0825030



ZBF 8,LGS:FORTL.ZAHLEN - 0808804



UC-TMF 8 CUS - 0824654



UCT-TMF 8 CUS - 0829672



### Test plug terminal block

## Spring cage ground terminal block - ST 6-PE - 3031500

### accessories

PAI-4-N GY - 3032871



PAI-4-FIX BU - 3032729



PAI-4-FIX OG - 3034455



PAI-4-FIX YE - 3032745



PAI-4-FIX RD - 3032732



PAI-4-FIX GN - 3032758



## Spring cage ground terminal block - ST 6-PE - 3031500

### accessories

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PAI-4-FIX BK - 3032774



PAI-4-FIX GY - 3032790



PAI-4-FIX VT - 3032761



PAI-4-FIX BN - 3032787



PS-6 - 3030996



## Spring cage ground terminal block - ST 6-PE - 3031500

### accessories

PS-6/2,3MM RD - 3038736



PS-8 - 3031005



PS-8/2,3MM RD - 3048564



### Partition plate

DP PS-8 - 3036741



### Planning and marking software

CLIP-PROJECT ADVANCED - 5146040





# Spring cage ground terminal block - ST 6-PE - 3031500

accessories

CLIP-PROJECT PROFESSIONAL - 5146053



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## End block

CLIPFIX 35 - 3022218



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CLIPFIX 35-5 - 3022276



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E/NS 35 N - 0800886



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E/UK - 1201442



# Spring cage ground terminal block - ST 6-PE - 3031500

accessories

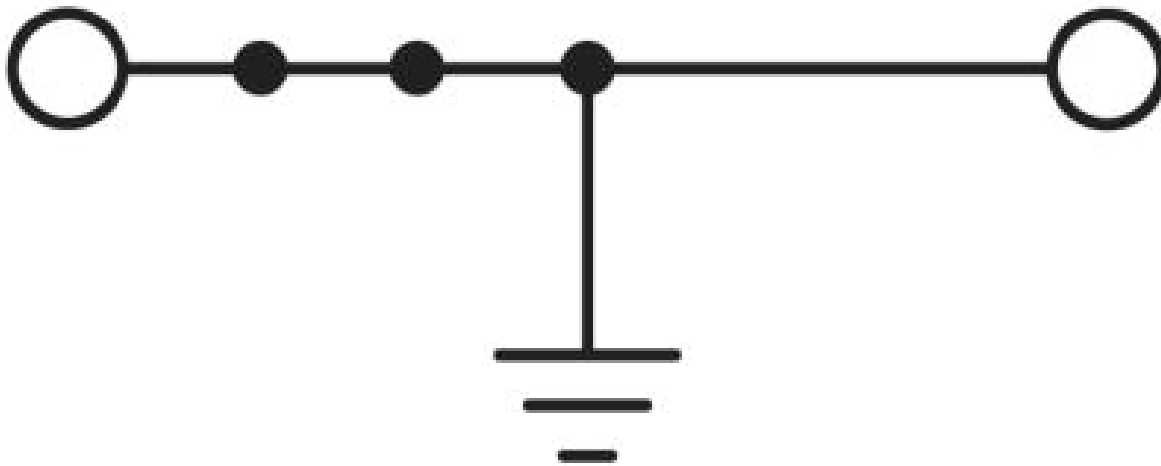
E/UK 1 - 1201413



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## Drawings

Circuit diagram



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