

## Ground modular terminal block - ST 35-PE - 3036194

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Ground modular terminal block, Connection method: Spring-cage connection, Cross section: 2.5 mm<sup>2</sup> - 35 mm<sup>2</sup>, AWG: 14 - 2, Width: 16 mm, Color: green-yellow, Mounting type: NS 35/7,5, NS 35/15



### Key commercial data

|                                      |           |
|--------------------------------------|-----------|
| Packing unit                         | 1 pc      |
| Weight per Piece (excluding packing) | 100.4 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                                                      |
| Maximum load current                    | 125 A (with 35 mm <sup>2</sup> conductor cross section) |
| 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                                           |
| Maximum load current                    | 125 A (with 35 mm <sup>2</sup> conductor cross section) |
| Nominal current I <sub>N</sub>          | 125 A                                                   |
| Maximum load current                    | 125 A (with 35 mm <sup>2</sup> conductor cross section) |

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## Technical data

### General

|                                                                                 |                                     |
|---------------------------------------------------------------------------------|-------------------------------------|
| Open side panel                                                                 | nein                                |
| Shock protection test specification                                             | DIN EN 50274 (VDE 0660-514):2002-11 |
| Back of the hand protection                                                     | guaranteed                          |
| Surge voltage test setpoint                                                     | 9.8 kV                              |
| Result of surge voltage test                                                    | Test passed                         |
| Power frequency withstand voltage setpoint                                      | 2 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                                     | 2.5 mm <sup>2</sup> / 0.7 kg        |
|                                                                                 | 35 mm <sup>2</sup> / 6.8 kg         |
| Result of bending test                                                          | Test passed                         |
| Conductor cross section tensile test                                            | 2.5 mm <sup>2</sup>                 |
| Tractive force setpoint                                                         | 50 N                                |
| Conductor cross section tensile test                                            | 35 mm <sup>2</sup>                  |
| Tractive force setpoint                                                         | 190 N                               |
| Tensile test result                                                             | Test passed                         |
| Tight fit on carrier                                                            | NS 35                               |
| Setpoint                                                                        | 10 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                                   | 35 mm <sup>2</sup>                  |
| Short-time current                                                              | 4.2 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                         |
| Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))           | 130 °C                              |
| Static insulating material application in cold                                  | -60 °C                              |

### Dimensions

|        |        |
|--------|--------|
| Width  | 16 mm  |
| Length | 100 mm |

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## Technical data

### Dimensions

|                  |         |
|------------------|---------|
| Height NS 35/7,5 | 59 mm   |
| Height NS 35/15  | 66.5 mm |

### Connection data

|                                                                                         |                                                                |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Note                                                                                    | Please observe the current carrying capacity of the DIN rails. |
| Connection in acc. with standard                                                        | IEC 60947-7-2                                                  |
| Connection method                                                                       | Spring-cage connection                                         |
| Conductor cross section solid min.                                                      | 2.5 mm <sup>2</sup>                                            |
| Conductor cross section solid max.                                                      | 35 mm <sup>2</sup>                                             |
| Conductor cross section AWG/kcmil min.                                                  | 14                                                             |
| Conductor cross section AWG/kcmil max.                                                  | 2                                                              |
| Conductor cross section stranded min.                                                   | 2.5 mm <sup>2</sup>                                            |
| Conductor cross section stranded max.                                                   | 35 mm <sup>2</sup>                                             |
| Min. AWG conductor cross section, stranded                                              | 14                                                             |
| Max. AWG conductor cross section, stranded                                              | 2                                                              |
| Conductor cross section stranded, with ferrule without plastic sleeve min.              | 2.5 mm <sup>2</sup>                                            |
| Conductor cross section stranded, with ferrule without plastic sleeve max.              | 35 mm <sup>2</sup>                                             |
| Conductor cross section stranded, with ferrule with plastic sleeve min.                 | 2.5 mm <sup>2</sup>                                            |
| Conductor cross section stranded, with ferrule with plastic sleeve max.                 | 35 mm <sup>2</sup>                                             |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 2.5 mm <sup>2</sup>                                            |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 10 mm <sup>2</sup>                                             |
| Stripping length                                                                        | 25 mm                                                          |
| Internal cylindrical gage                                                               | A8                                                             |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141121 |
| eCl@ss 4.1 | 27141121 |
| eCl@ss 5.0 | 27141125 |
| eCl@ss 5.1 | 27141125 |
| eCl@ss 6.0 | 27141125 |
| eCl@ss 7.0 | 27141125 |
| eCl@ss 8.0 | 27141141 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000901 |
|----------|----------|

## Ground modular terminal block - ST 35-PE - 3036194

### Classifications

#### ETIM

|          |          |
|----------|----------|
| 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 / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / LR / GL / BV / DNV / RS / KR / NK / IECEx CB Scheme / EAC / cULus Recognized

#### Ex Approvals

IECEx / ATEX / EAC Ex

#### Approvals submitted

### Approval details

|                                                                                         |      |      |
|-----------------------------------------------------------------------------------------|------|------|
| CSA  |      |      |
|                                                                                         | B    | C    |
| mm²/AWG/kcmil                                                                           | 14-2 | 14-2 |

|                                                                                                   |      |      |
|---------------------------------------------------------------------------------------------------|------|------|
| UL Recognized  |      |      |
|                                                                                                   | B    | C    |
| mm²/AWG/kcmil                                                                                     | 14-2 | 14-2 |

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### Approvals

|                                                                                                                           |        |
|---------------------------------------------------------------------------------------------------------------------------|--------|
| VDE Gutachten mit Fertigungsüberwachung  |        |
| mm²/AWG/kcmil                                                                                                             | 2.5-35 |

|                                                                                                  |      |      |
|--------------------------------------------------------------------------------------------------|------|------|
| cUL Recognized  |      |      |
|                                                                                                  | B    | C    |
| mm²/AWG/kcmil                                                                                    | 14-2 | 14-2 |

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

|               |    |
|---------------|----|
| GL            |    |
| mm²/AWG/kcmil | 35 |

|    |
|----|
| BV |
|----|

|     |
|-----|
| DNV |
|-----|

|    |
|----|
| RS |
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|    |
|----|
| KR |
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|    |
|----|
| NK |
|----|

|                                                                                                     |        |
|-----------------------------------------------------------------------------------------------------|--------|
| IECEE CB Scheme  |        |
| mm²/AWG/kcmil                                                                                       | 2.5-35 |

|     |
|-----|
| EAC |
|-----|

## Ground modular terminal block - ST 35-PE - 3036194

### Approvals

cULus Recognized  US

### Drawings

Circuit diagram

