

## Ground modular terminal block - USLKG 6 N-1 - 0444048

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Ground modular terminal block, connection method: Screw connection, number of connections: 2, number of positions: 1, 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 35/15-2,3

RoHS



### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 50 pc                                                                                                   |
| GTIN         | <br>4 017918 155223 |
| GTIN         | 4017918155223                                                                                           |

### Technical data

#### General

|                                                 |                                                                        |
|-------------------------------------------------|------------------------------------------------------------------------|
| Number of positions                             | 1                                                                      |
| Number of levels                                | 1                                                                      |
| Number of connections                           | 2                                                                      |
| Nominal cross section                           | 6 mm <sup>2</sup>                                                      |
| Color                                           | green-yellow                                                           |
| Insulating material                             | PA                                                                     |
| Flammability rating according to UL 94          | V0                                                                     |
| Rated surge voltage                             | 8 kV                                                                   |
| Degree of pollution                             | 3                                                                      |
| Overvoltage category                            | III                                                                    |
| Insulating material group                       | I                                                                      |
| Maximum power dissipation for nominal condition | 1.31 W                                                                 |
| Open side panel                                 | No                                                                     |
| Terminal block mounting                         | 1.5 Nm ... 1.8 Nm (PE foot with mounting screw, M4)                    |
| Ambient temperature (operation)                 | -60 °C ... 85 °C                                                       |
| Ambient temperature (storage/transport)         | -25 °C ... 55 °C (For a short time, not exceeding 24 h, -60 to +70 °C) |
| Permissible humidity (storage/transport)        | 30 % ... 70 %                                                          |

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### General

|                                                                         |                 |
|-------------------------------------------------------------------------|-----------------|
| Ambient temperature (assembly)                                          | -5 °C ... 70 °C |
| Ambient temperature (actuation)                                         | -5 °C ... 70 °C |
| Relative insulation material temperature index (Elec., UL 746 B)        | 130 °C          |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 125 °C          |
| Static insulating material application in cold                          | -60 °C          |
| Surface flammability NFPA 130 (ASTM E 162)                              | passed          |
| Specific optical density of smoke NFPA 130 (ASTM E 662)                 | passed          |
| Calorimetric heat release NFPA 130 (ASTM E 1354)                        | 27,5 MJ/kg      |
| Smoke gas toxicity NFPA 130 (SMP 800C)                                  | passed          |
| Fire protection for rail vehicles (DIN EN 45545-2) R22                  | HL 1 - HL 3     |
| Fire protection for rail vehicles (DIN EN 45545-2) R23                  | HL 1 - HL 3     |
| Fire protection for rail vehicles (DIN EN 45545-2) R24                  | HL 1 - HL 3     |
| Fire protection for rail vehicles (DIN EN 45545-2) R26                  | HL 1 - HL 3     |

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 8.2 mm  |
| Length           | 42.5 mm |
| Height NS 35/7,5 | 47 mm   |
| Height NS 35/15  | 54.5 mm |
| Height NS 32     | 52 mm   |

### Connection data

|                                                                            |                                                                |
|----------------------------------------------------------------------------|----------------------------------------------------------------|
| Note                                                                       | Please observe the current carrying capacity of the DIN rails. |
| Connection method                                                          | Screw connection                                               |
| Screw thread                                                               | M4                                                             |
| Stripping length                                                           | 10 mm                                                          |
| Tightening torque, min                                                     | 1.5 Nm                                                         |
| Tightening torque max                                                      | 1.8 Nm                                                         |
| Connection in acc. with standard                                           | IEC 60947-7-2                                                  |
| 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 min.                                           | 24                                                             |
| Conductor cross section AWG max.                                           | 8                                                              |
| Conductor cross section flexible min.                                      | 0.2 mm <sup>2</sup>                                            |
| Conductor cross section flexible max.                                      | 6 mm <sup>2</sup>                                              |
| Min. AWG conductor cross section, flexible                                 | 24                                                             |
| Max. AWG conductor cross section, flexible                                 | 10                                                             |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm <sup>2</sup>                                           |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 6 mm <sup>2</sup>                                              |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.25 mm <sup>2</sup>                                           |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 6 mm <sup>2</sup>                                              |

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### Technical data

#### Connection data

|                                                                                                        |                      |
|--------------------------------------------------------------------------------------------------------|----------------------|
| 2 conductors with same cross section, solid min.                                                       | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.                                                       | 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded min.                                                    | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                                    | 2.5 mm <sup>2</sup>  |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum | 0.5 mm <sup>2</sup>  |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum | 4 mm <sup>2</sup>    |
| Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum  | 0.25 mm <sup>2</sup> |
| Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum  | 1.5 mm <sup>2</sup>  |
| Connection in acc. with standard                                                                       | IEC/EN 60079-7       |
| 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 min.                                                                       | 24                   |
| Conductor cross section AWG max.                                                                       | 8                    |
| Conductor cross section flexible min.                                                                  | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                                                  | 6 mm <sup>2</sup>    |

#### Standards and Regulations

|                                        |                |
|----------------------------------------|----------------|
| Connection in acc. with standard       | CUL            |
|                                        | IEC 60947-7-2  |
|                                        | IEC/EN 60079-7 |
| Flammability rating according to UL 94 | V0             |

#### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 50 years                                                      |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

### Drawings

## Ground modular terminal block - USLKG 6 N-1 - 0444048

Circuit diagram



### Classifications

#### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27141141 |
| eCl@ss 4.0    | 27141100 |
| eCl@ss 4.1    | 27141100 |
| eCl@ss 5.0    | 27141100 |
| eCl@ss 5.1    | 27141100 |
| eCl@ss 6.0    | 27141100 |
| eCl@ss 7.0    | 27141141 |
| eCl@ss 8.0    | 27141141 |
| eCl@ss 9.0    | 27141141 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000901 |
| ETIM 3.0 | EC000901 |
| ETIM 4.0 | EC000901 |
| ETIM 5.0 | EC000901 |
| ETIM 6.0 | EC000901 |
| ETIM 7.0 | EC000901 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11     | 39121410 |
| UNSPSC 12.01  | 39121410 |
| UNSPSC 13.2   | 39121410 |
| UNSPSC 18.0   | 39121410 |
| UNSPSC 19.0   | 39121410 |
| UNSPSC 20.0   | 39121410 |

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### Classifications

#### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121410 |
|-------------|----------|

### Approvals

#### Approvals

#### Approvals

UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

#### Ex Approvals

IECEX / ATEX / EAC Ex

### Approval details

|               |                                                                                     |                                                                                                                                                       |              |
|---------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| UL Recognized |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|               |                                                                                     |                                                                                                                                                       |              |
| mm²/AWG/kcmil |                                                                                     | 24-8                                                                                                                                                  |              |

|                |                                                                                     |                                                                                                                                                       |              |
|----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| cUL Recognized |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|                |                                                                                     |                                                                                                                                                       |              |
| mm²/AWG/kcmil  |                                                                                     | 24-8                                                                                                                                                  |              |

|     |                                                                                     |                          |  |
|-----|-------------------------------------------------------------------------------------|--------------------------|--|
| EAC |  | RU C-<br>DE.A*30.B.01742 |  |
|-----|-------------------------------------------------------------------------------------|--------------------------|--|

|     |                                                                                     |                          |  |
|-----|-------------------------------------------------------------------------------------|--------------------------|--|
| EAC |  | RU C-<br>DE.BL08.B.00534 |  |
|-----|-------------------------------------------------------------------------------------|--------------------------|--|

|                  |                                                                                     |  |  |
|------------------|-------------------------------------------------------------------------------------|--|--|
| cULus Recognized |  |  |  |
|------------------|-------------------------------------------------------------------------------------|--|--|

### Accessories

#### Accessories

## Ground modular terminal block - USLKG 6 N-1 - 0444048

### Accessories

#### DIN rail

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



DIN rail, unperforated, Standard profile 2.3 mm, width: 35 mm, height: 15 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile 2.3 mm, width: 35 mm, height: 15 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

#### End block

End clamp - E/UK - 1201442



End clamp, width: 9.5 mm, height: 35.3 mm, material: PA, length: 50.5 mm, Mounting on a DIN rail NS 32 or NS 35, color: gray

End clamp - E/UK 1 - 1201413



End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

#### Labeled terminal marker

Zack marker strip - ZB 8 CUS - 0825011



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

## Ground modular terminal block - USLKG 6 N-1 - 0444048

### Accessories

#### Marker for terminal blocks - UC-TM 8 CUS - 0824597



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: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 56

#### Marker for terminal blocks - UCT-TM 8 CUS - 0829616



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: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 42

#### Zack marker strip - ZB 8,LGS:FORTL.ZAHLEN - 1052015



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

#### Zack marker strip - ZB 8,QR:FORTL.ZAHLEN - 1052028



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

#### Marker for terminal blocks - ZB 8,LGS:L1-N,PE - 1052413



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

### Marker pen

## Ground modular terminal block - USLKG 6 N-1 - 0444048

### 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

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### Screwdriver tools

Screwdriver - SZS 1,0X4,0 VDE - 1205066



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip

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### Terminal marking

Zack marker strip - ZB 8:UNBEDRUCKT - 1052002



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

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Marker for terminal blocks - UC-TM 8 - 0818072



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 56

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Marker for terminal blocks - UCT-TM 8 - 0828740



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 42

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