

USLKG 6 N - Ground terminal



0442079

<https://www.phoenixcontact.com/pc/products/0442079>

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Ground terminal, number of connections: 2, connection method: Screw connection, cross section: 0.2 mm² - 10 mm², mounting method: PE foot with mounting screw, M4, mounting type: NS 35/7,5, NS 35/15, NS 32, color: green-yellow

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 0442079 |
| Packing unit | 50 pc |
| Minimum order quantity | 1 pc |
| Product key | BE1221 |
| Catalog page | Page 463 (C-1-2019) |
| GTIN | 4017918129316 |
| Weight per piece (including packing) | 27.89 g |
| Weight per piece (excluding packing) | 27.048 g |
| Customs tariff number | 85369010 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|-----------------------|-----------------------|
| Product type | Ground terminal block |
| Number of connections | 2 |
| Number of rows | 1 |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution | 3 |

Electrical properties

| | |
|---|--------|
| Rated surge voltage | 8 kV |
| Maximum power dissipation for nominal condition | 1.31 W |

Connection data

| | |
|---------------------------------|-------------------|
| Number of connections per level | 2 |
| Nominal cross section | 6 mm ² |

Level 1 above 1 below 1

| | |
|---|--|
| Screw thread | M4 |
| Note | Please observe the current carrying capacity of the DIN rails. |
| Tightening torque | 1.5 ... 1.8 Nm |
| Stripping length | 10 mm |
| Internal cylindrical gage | A5 |
| Connection in acc. with standard | IEC 60947-7-2 |
| Conductor cross section rigid | 0.2 mm ² ... 10 mm ² |
| Cross section AWG | 24 ... 8 (converted acc. to IEC) |
| Conductor cross section flexible | 0.2 mm ² ... 6 mm ² |
| Conductor cross section, flexible [AWG] | 24 ... 10 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.25 mm ² ... 6 mm ² |
| Flexible conductor cross section (ferrule with plastic sleeve) | 0.25 mm ² ... 6 mm ² |

Ex data

Rated data (ATEX/IECEx)

| | |
|-----------------------------|---|
| Identification | ⊕ II 2 GD Ex eb IIC |
| Operating temperature range | -60 °C ... 110 °C |
| Ex-certified accessories | 1205066 SZS 1,0X4,0 VDE 1201442 E/UK |
| Torque range for PE foot | 1.5 Nm ... 1.8 Nm |
| output | (Permanent) |

Ex connection data General

| | |
|--------------|-------------------|
| Torque range | 1.5 Nm ... 1.8 Nm |
|--------------|-------------------|

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| | |
|------------------------------|--|
| Nominal cross section | 6 mm ² |
| Rated cross section AWG | 10 |
| Connection capacity rigid | 0.2 mm ² ... 10 mm ² |
| Connection capacity AWG | 24 ... 8 |
| Connection capacity flexible | 0.2 mm ² ... 6 mm ² |
| Connection capacity AWG | 24 ... 10 |

Dimensions

| | |
|--------------------|---------|
| Width | 8.2 mm |
| Height | 42.5 mm |
| Depth | 45.8 mm |
| Depth on NS 32 | 52 mm |
| Depth on NS 35/7,5 | 47 mm |
| Depth on NS 35/15 | 54.5 mm |

Material specifications

| | |
|--|--------------|
| Color | green-yellow |
| Flammability rating according to UL 94 | V0 |
| Insulating material group | I |
| Insulating material | PA |
| Static insulating material application in cold | -60 °C |
| Relative insulation material temperature index (Elec., UL 746 B) | 130 °C |
| 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 |
| Surface flammability NFPA 130 (ASTM E 162) | passed |
| Specific optical density of smoke NFPA 130 (ASTM E 662) | passed |
| Smoke gas toxicity NFPA 130 (SMP 800C) | passed |

Mechanical properties

General

| | |
|-------------------------|---|
| Terminal block mounting | 1.5 Nm ... 1.8 Nm (PE foot with mounting screw, M4) |
|-------------------------|---|

Mechanical data

| | |
|-----------------|----|
| Open side panel | No |
|-----------------|----|

Environmental and real-life conditions

Oscillation/broadband noise

| | |
|---------------|--|
| Specification | DIN EN 50155 (VDE 0115-200):2018-05 |
| Spectrum | Service life test category 2, bogie-mounted |
| Frequency | $f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$ |
| ASD level | 6.12 (m/s ²) ² /Hz |
| Acceleration | 3.12g |

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| | |
|------------------------|-------------------|
| Test duration per axis | 5 h |
| Test directions | X-, Y- and Z-axis |
| Result | Test passed |

Shocks

| | |
|--------------------------------|-------------------------------------|
| Specification | DIN EN 50155 (VDE 0115-200):2018-05 |
| Pulse shape | Half-sine |
| Acceleration | 5g |
| Shock duration | 30 ms |
| Number of shocks per direction | 3 |
| Test directions | X-, Y- and Z-axis (pos. and neg.) |
| Result | Test passed |

Ambient conditions

| | |
|--|--|
| Ambient temperature (operation) | -60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.) |
| Ambient temperature (storage/transport) | -25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C) |
| Ambient temperature (assembly) | -5 °C ... 70 °C |
| Ambient temperature (actuation) | -5 °C ... 70 °C |
| Permissible humidity (operation) | 20 % ... 90 % |
| Permissible humidity (storage/transport) | 30 % ... 70 % |

Standards and regulations

| | |
|----------------------------------|---------------|
| Connection in acc. with standard | IEC 60947-7-2 |
|----------------------------------|---------------|

Mounting

| | |
|-------------------------|---|
| Mounting type | NS 35/7,5 |
| | NS 35/15 |
| | NS 32 |
| Terminal block mounting | 1.5 Nm ... 1.8 Nm (PE foot with mounting screw, M4) |

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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/0442079>

DNV

Approval ID: TAE00001CT



IECEE CB Scheme

Approval ID: NL-42275

| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | - | - | - | - 6 |



cULus Recognized

Approval ID: E60425

| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|-------------|-----------------------|-----------------------|-------------------|-----------------------------|
| Use group B | - | - | 24 - 8 | - |
| Use group C | - | - | 24 - 8 | - |



BV

Approval ID: 07774/E0 BV



CSA

Approval ID: 13631

| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | - | - | 24 - 8 | - |



ATEX

Approval ID: KEMA 96ATEX4370 U



cUL Recognized

Approval ID: E192998

| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | - | - | 26 - 8 | - |



IECEx

Approval ID: IECEx KEM 06.0035U


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0442079

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|  UL Recognized Approval ID: E192998 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | - | - | 26 - 8 | - |

|  CCC Approval ID: 2020322313000623 | | | | |
|---|--|--|--|--|
|---|--|--|--|--|

cULus Recognized

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27141141 |
| ECLASS-13.0 | 27250103 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC000901 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | d413d553-8cd7-4c91-90b0-fec2b5e27292 |

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