

UKH 95-PE/N - Installation protective conductor terminal block

3009176

<https://www.phoenixcontact.com/us/products/3009176>

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Installation protective conductor terminal block, Screws with hexagonal socket, PE/N block, consisting of a green-yellow protective conductor terminal block and a blue terminal block with screw bridge, nom. voltage: 1000 V, nominal current: 232 A, Screw connection, Rated cross section: 95 mm², cross section: 25 mm² - 95 mm², mounting type: NS 35/7,5, NS 35/15, NS 32, color: green-yellow

Your advantages

- Reliable cable connection is ensured by three-point centering of the conductor in the prismatic sleeve base
- Low contact resistance of the contact surface due to ribbing
- Screw locking by means of spring-loaded elements in the clamping part

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 3009176 |
| Packing unit | 5 pc |
| Minimum order quantity | 1 pc |
| Sales key | BE13 |
| Product key | BE1321 |
| GTIN | 4017918091705 |
| Weight per piece (including packing) | 592.6 g |
| Weight per piece (excluding packing) | 593.2 g |
| Customs tariff number | 85369010 |
| Country of origin | PL |

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Technical data

Product properties

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

Insulation characteristics

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

Electrical properties

| | |
|---|--------|
| Rated surge voltage | 8 kV |
| Maximum power dissipation for nominal condition | 7.54 W |

Connection data

| | |
|---------------------------------|--------------------|
| PEN function | yes |
| Grounding foot | Yes |
| Number of connections per level | 2 |
| Nominal cross section | 95 mm ² |
| Rated cross section AWG | 3/0 |

Level 1 above 1 below 1

| | |
|---|--|
| Connection method | Screw connection |
| Screw thread | M8 |
| Note | Please observe the current carrying capacity of the DIN rails. |
| Tightening torque | 15 ... 20 Nm |
| Stripping length | 33 mm |
| Connection in acc. with standard | IEC 60947-7-2 |
| Conductor cross-section rigid | 25 mm ² ... 95 mm ² |
| Cross section AWG | 2 ... 3/0 (converted acc. to IEC) |
| Conductor cross-section flexible | 35 mm ² ... 95 mm ² |
| Conductor cross-section, flexible [AWG] | 1/0 ... 3/0 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 35 mm ² ... 95 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 35 mm ² ... 95 mm ² |
| Nominal cross section | 95 mm ² |
| Nominal current | 232 A |
| Maximum load current | 232 A (with 95 mm ² conductor cross-section) |
| Nominal voltage | 1000 V |
| Note | Note: Product releases, connection cross sections and notes on connecting aluminum cables can be found in the download area. |

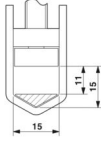
Dimensions

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| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 50 mm |
| Height | 83 mm |
| Depth on NS 32 | 104 mm |
| Depth on NS 35/7,5 | 99 mm |
| Depth on NS 35/15 | 106.5 mm |

Material specifications

| | |
|--|--------------|
| Color | green-yellow |
| Flammability rating according to UL 94 | V0 |
| Insulating material group | I |
| Insulating material | PA |

Mechanical properties

General

| | |
|-------------------------|---|
| Terminal block mounting | 15 Nm ... 20 Nm (PE foot with mounting screw, M8) |
|-------------------------|---|

Mechanical data

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

Environmental and real-life conditions

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 | 15 Nm ... 20 Nm (PE foot with mounting screw, M8) |

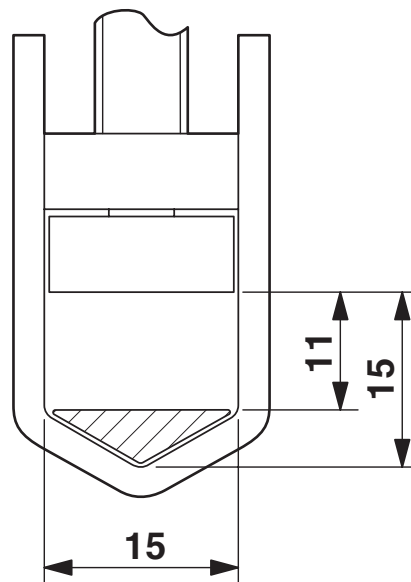
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Drawings

Dimensional drawing



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3009176>



EAC

Approval ID: KZ7500651131219505

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27250110 |
| ECLASS-15.0 | 27250110 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC001329 |
|-----------|----------|

UNSPSC

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

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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