# DIKD 1,5-TG - Initiator/actuator terminal block

2774237

https://www.phoenixcontact.com/gb/products/2774237

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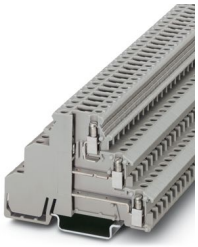


Initiator/actuator terminal block, Current and voltage are determined by the plug used., nom. voltage: 250 V, nominal current: 15 A, 1st, 2nd and 3rd level, connection method: Screw connection, Rated cross section: 2.5 mm$^2$, cross section: 0.2 mm$^2$ - 4 mm$^2$, connection method: Screw connection, Rated cross section: 2.5 mm$^2$, cross section: 0.2 mm$^2$ - 4 mm$^2$, mounting: NS 35/7,5, NS 35/15, color: gray

## Your advantages

- Terminal blocks with red and green LEDs are available for optical signaling of the initiator and actuator wiring

## Commercial data

| | |
|---|---|
| Item number | 2774237 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Sales key | BE1217 |
| Product key | BE1217 |
| GTIN | 4017918126773 |
| Weight per piece (including packing) | 20.153 g |
| Weight per piece (excluding packing) | 20.153 g |
| Customs tariff number | 85369010 |
| Country of origin | PL |

## Technical data

### Notes

| | |
|---|---|
| General | Current and voltage are determined by the plug used. |

### Product properties

| | |
|---|---|
| Product type | Sensor/actuator terminal block |
| Number of connections | 6 |
| Number of rows | 3 |
| Potentials | 3 |

Insulation characteristics

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

### Electrical properties

| | |
|---|---|
| Rated surge voltage | 4 kV |
| Maximum power dissipation for nominal condition | 0.77 W |

### Connection data

| | |
|---|---|
| Number of connections per level | 2 |
| Nominal cross section | 2.5 mm² |

1st, 2nd and 3rd level

| | |
|---|---|
| Connection method | Screw connection |
| Screw thread | M3 |
| Tightening torque | 0.5 ... 0.6 Nm |
| Stripping length | 8 mm |
| Internal cylindrical gage | A3 |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross-section rigid | 0.2 mm² ... 4 mm² |
| Cross section AWG | 24 ... 12 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.2 mm² ... 2.5 mm² |
| Conductor cross-section, flexible [AWG] | 24 ... 14 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.25 mm² ... 2.5 mm² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.25 mm² ... 2.5 mm² |
| Cross-section with insertion bridge, rigid | 4 mm² |
| Cross-section with insertion bridge, flexible | 2.5 mm² |
| 2 conductors with same cross section, rigid | 0.2 mm² ... 1 mm² |
| 2 conductors with same cross section, flexible | 0.2 mm² ... 1 mm² |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve | 0.25 mm² ... 1 mm² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm² ... 1 mm² |
| Nominal cross section | 2.5 mm² |

| | |
|---|---|
| Nominal current | 15 A |
| Maximum load current | 15 A (with 4 mm² conductor cross-section) |
| Nominal voltage | 250 V (the voltage is determined by the component used) |

Disconnect level

| | |
|---|---|
| Connection method | Screw connection |
| Screw thread | M3 |
| Tightening torque | 0.5 ... 0.6 Nm |
| Stripping length | 8 mm |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross-section rigid | 0.2 mm² ... 4 mm² |
| Cross section AWG | 24 ... 12 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.2 mm² ... 2.5 mm² |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.25 mm² ... 2.5 mm² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.25 mm² ... 2.5 mm² |
| Cross-section with insertion bridge, rigid | 4 mm² |
| Cross-section with insertion bridge, flexible | 2.5 mm² |
| 2 conductors with same cross section, rigid | 0.2 mm² ... 1 mm² |
| 2 conductors with same cross section, flexible | 0.2 mm² ... 1 mm² |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve | 0.25 mm² ... 1 mm² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm² ... 1 mm² |
| Nominal cross section | 2.5 mm² |
| Nominal current | 15 A |
| Maximum load current | 15 A (with 4 mm² conductor cross-section) |
| Nominal voltage | 250 V |

## Dimensions

| | |
|---|---|
| Width | 6.2 mm |
| Height | 72.5 mm |
| Depth on NS 35/7,5 | 54.5 mm |
| Depth on NS 35/15 | 62 mm |

## Material specifications

| | |
|---|---|
| Color | gray (RAL 7042) |
| Flammability rating according to UL 94 | V2 |
| Insulating material group | I |
| Insulating material | PA |
| Static insulating material application in cold | -40 °C |
| Relative insulation material temperature index (Elec., UL 746 B) | 125 °C |

## Mechanical properties

Mechanical data

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

## Environmental and real-life conditions

Needle-flame test

| | |
|---|---|
| Time of exposure | 30 s |

Oscillation/broadband noise

| | |
|---|---|
| Specification | DIN EN 50155 (VDE 0115-200):2022-06 |
| Spectrum | Long life test category 2, bogie-mounted |
| Frequency | $f_1$ = 5 Hz to $f_2$ = 250 Hz |
| ASD level | 6.12 (m/s²)²/Hz |
| Acceleration | 3.12g |
| Test duration per axis | 5 h |
| Test directions | X-, Y- and Z-axis |

Shocks

| | |
|---|---|
| Pulse shape | Half-sine |
| Acceleration | 30g |
| Shock duration | 18 ms |
| Number of shocks per direction | 3 |
| Test directions | X-, Y- and Z-axis (pos. and neg.) |

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

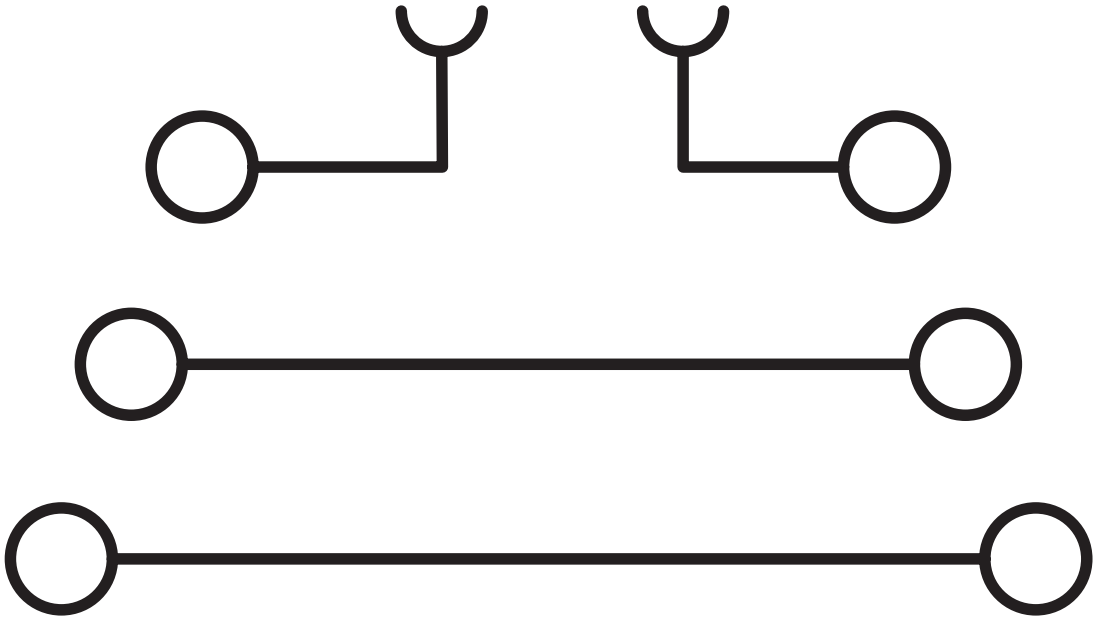
| | |
|---|---|
| Connection in acc. with standard | IEC 60947-7-1 |
| | IEC 60947-7-1 |

## Mounting

| | |
|---|---|
| Mounting type | NS 35/7,5 |
| | NS 35/15 |

## Drawings

Circuit diagram



## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/2774237

**CSA**
Approval ID: 13631

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 300 V | 15 A | 28 - 14 | - |

**EAC**
Approval ID: KZ7500651131219505

**cULus Recognized**
Approval ID: E60425

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| B | | | | |
| Current and voltage are determined by the connector used | 300 V | 15 A | 30 - 14 | - |
| C | | | | |
| Current and voltage are determined by the connector used | 150 V | 15 A | 30 - 14 | - |
| D | | | | |
| | 300 V | 10 A | 30 - 14 | - |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27250112 |
| ECLASS-15.0 | 27250112 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC000900 |

### UNSPSC

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

## 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% |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 0.101 kg CO2e |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