# DOK 1,5-LA 24GN/O-M - Initiator/actuator terminal block

2717074

https://www.phoenixcontact.com/gb/products/2717074

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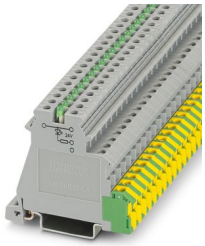


Initiator/actuator terminal block, nom. voltage: 24 V, nominal current: 24 A, connection method: Screw connection, Rated cross section: 2.5 mm$^2$, cross section: 0.2 mm$^2$ - 4 mm$^2$, mounting type: NS 35/7,5, NS 35/15, color: gray

## Your advantages

- Same shape as DIK ... three-level initiator terminal blocks
- The forks of the insertion bridge can be easily loosened for bridging between non-adjacent terminal blocks
- Terminal blocks with red and green LEDs are available for optical signaling of the initiator and actuator wiring
- The upper level contains the feed-through connections for the signal cable which can be labeled
- Alternate wiring of an actuator followed by an initiator is easy
- Unlike the DIK terminal blocks, the lower level of these output terminal blocks makes direct contact with the DIN rail and as a PE connection are marked yellow-green
- Because the spine of the insertion bridge can be snapped into place with the terminal block housing, all the terminal points can be wired freely and the bridge can be securely positioned
- The middle level supplies the connected actuators with power

## Commercial data

| | |
|---|---|
| Item number | 2717074 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Sales key | BE1217 |
| Product key | BE1217 |
| GTIN | 4017918062095 |
| Weight per piece (including packing) | 16.236 g |
| Weight per piece (excluding packing) | 16.236 g |
| Customs tariff number | 85369010 |
| Country of origin | PL |

## Technical data

### Product properties

| | |
|---|---|
| Product type | Sensor/actuator terminal block |
| Number of connections | 4 |
| 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 |
| LED voltage range | 15 V DC ... 30 V DC |
| LED current range | 1 mA ... 2.5 mA |

### Input data

| | |
|---|---|
| LED voltage range | 15 V DC ... 30 V DC |

### Connection data

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

Level 1+2+3

| | |
|---|---|
| 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 | 24 A |
| Maximum load current | 26 A (with a 2.5 mm² conductor cross-section) |
| Nominal voltage | 24 V (the voltage is determined by the light indicator.) |

## Dimensions

| | |
|---|---|
| Width | 6.2 mm |
| Height | 61.5 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 |

## Mechanical properties

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

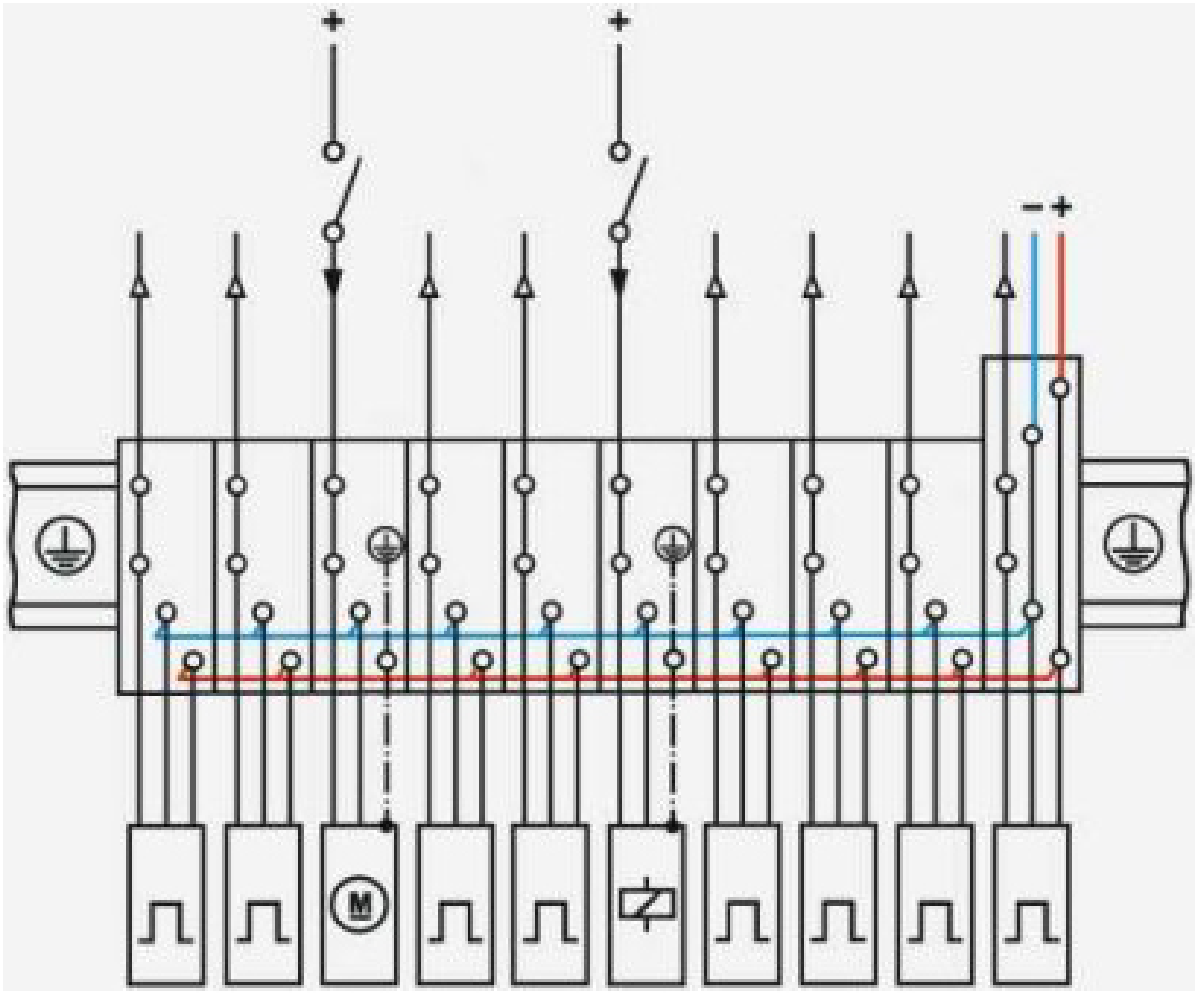
| | |
|---|---|
| Connection in acc. with standard | IEC 60947-7-1 |

## Mounting

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

## Drawings

Circuit diagram



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## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/2717074

**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 | | | | |
| | 300 V | 15 A | 30 - 14 | - |
| PE connection | - | - | 30 - 14 | - |
| C | | | | |
| | 150 V | 15 A | 30 - 14 | - |
| PE connection | - | - | 30 - 14 | - |
| D | | | | |
| | 150 V | 15 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.) | Hexahydromethylphthalic anhydride(CAS: n/a) |
| SCIP | 9c86c454-2027-41d0-a9b9-0a8bd540c5b1 |


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