

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



2716376

<https://www.phoenixcontact.com/us/products/2716376>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Initiator/actuator terminal block, nom. voltage: 250 V, nominal current: 24 A, connection method: Screw connection, 1st, 2nd and 3rd level, Rated cross section: 2.5 mm², cross section: 0.2 mm² - 4 mm², mounting type: 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 | 2716376 |
| Packing unit | 50 pc |
| Minimum order quantity | 1 pc |
| Sales key | BE12 |
| Product key | BE1217 |
| GTIN | 4017918061906 |
| Weight per piece (including packing) | 20.571 g |
| Weight per piece (excluding packing) | 20.571 g |
| Customs tariff number | 85369010 |
| Country of origin | PL |

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



2716376

<https://www.phoenixcontact.com/us/products/2716376>

Technical data

Notes

General

| | |
|------|---|
| Note | Current and voltage are determined by the resistance and the light indicator. |
|------|---|

Product properties

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

Insulation characteristics

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

Electrical properties

| | |
|---|---------------------|
| Rated insulation voltage | 250 V |
| 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

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

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 |
| Conductor cross-section rigid | 0.2 mm ² ... 4 mm ² |
| Cross section AWG | 24 ... 12 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section, flexible [AWG] | 24 ... 14 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.25 mm ² ... 2.5 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.25 mm ² ... 2.5 mm ² |
| Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve) | 0.5 mm ² ... 1 mm ² |
| Cross-section with insertion bridge, rigid | 4 mm ² |

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



2716376

<https://www.phoenixcontact.com/us/products/2716376>

| | |
|---|---|
| Cross-section with insertion bridge, flexible | 2.5 mm ² |
| 2 conductors with same cross section, rigid | 0.2 mm ² ... 1 mm ² |
| 2 conductors with same cross section, flexible | 0.2 mm ² ... 1 mm ² |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve | 0.25 mm ² ... 1 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² ... 1 mm ² |
| Nominal cross section | 2.5 mm ² |
| Nominal current | 24 A |
| Maximum load current | 30 A (with 4 mm ² conductor cross-section) |
| Nominal voltage | 250 V |
| Component type | Resistance TK 50 M |

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 |

Electrical tests

Surge voltage test

| | |
|-----------------------|-------------|
| Test voltage setpoint | 4.8 kV |
| Result | Test passed |

Power-frequency withstand voltage

| | |
|-----------------------|-------------|
| Test voltage setpoint | 1.5 kV |
| Result | Test passed |

Mechanical properties

Mechanical data

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

Mechanical tests

Attachment on the carrier

| | |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

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



2716376

<https://www.phoenixcontact.com/us/products/2716376>

Environmental and real-life conditions

Oscillation/broadband noise

| | |
|------------------------|--|
| Specification | EN 50155:2021-07 |
| Spectrum | Long 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 |
| Test duration per axis | 5 h |
| Test directions | X-, Y- and Z-axis |
| Result | Test passed |

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.) |
| 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 % |

Mounting

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

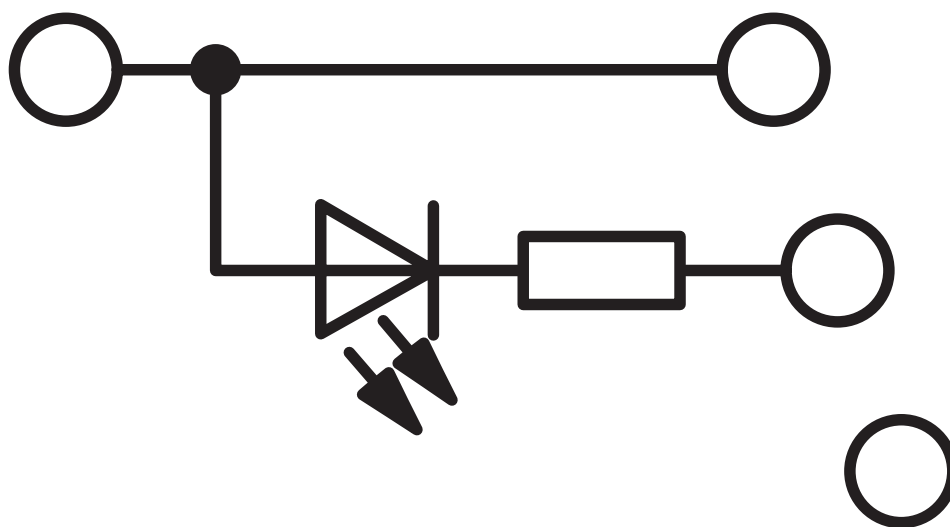
DIKD 1,5-LA 24GN/O-M - Initiator/actuator terminal block

2716376

<https://www.phoenixcontact.com/us/products/2716376>

Drawings

Circuit diagram



- 1 = fixed bridge
- 2 = insertion bridge
- 3 = partition plate

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



2716376


<https://www.phoenixcontact.com/us/products/2716376>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2716376>

|  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 | | | | |
| | 300 V | 10 A | 30 - 14 | - |

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



2716376

<https://www.phoenixcontact.com/us/products/2716376>

Classifications

ECLASS

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

ETIM

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

UNSPSC

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

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



2716376

<https://www.phoenixcontact.com/us/products/2716376>

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 | 6b78d79f-f768-4d4c-b84f-8ba0a0186f07 |

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 0.132 kg CO2e |
|---------|---------------|

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com