

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



2716376

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Sensor/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 mm<sup>2</sup>, cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, 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               | 50 pc               |
| Sales key                            | BE1217              |
| Product key                          | BE1217              |
| Catalog page                         | Page 483 (C-1-2019) |
| 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                  |

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## Technical data

### 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 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 <sup>2</sup> |

### 1st, 2nd and 3rd level

|                                                                                           |                                                       |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------|
| 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 <sup>2</sup> ... 4 mm <sup>2</sup>             |
| Cross section AWG                                                                         | 24 ... 12 (converted acc. to IEC)                     |
| Conductor cross section flexible                                                          | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>           |
| Conductor cross section, flexible [AWG]                                                   | 24 ... 14 (converted acc. to IEC)                     |
| Conductor cross-section flexible (ferrule without plastic sleeve)                         | 0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>          |
| Flexible conductor cross section (ferrule with plastic sleeve)                            | 0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>          |
| Cross-section with insertion bridge, rigid                                                | 4 mm <sup>2</sup>                                     |
| Cross-section with insertion bridge, flexible                                             | 2.5 mm <sup>2</sup>                                   |
| 2 conductors with same cross section, solid                                               | 0.2 mm <sup>2</sup> ... 1 mm <sup>2</sup>             |
| 2 conductors with same cross section, flexible                                            | 0.2 mm <sup>2</sup> ... 1 mm <sup>2</sup>             |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve       | 0.25 mm <sup>2</sup> ... 1 mm <sup>2</sup>            |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm <sup>2</sup> ... 1 mm <sup>2</sup>             |
| Nominal current                                                                           | 24 A                                                  |
| Maximum load current                                                                      | 30 A (with 4 mm <sup>2</sup> conductor cross section) |

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|                       |                     |
|-----------------------|---------------------|
| Nominal voltage       | 250 V               |
| Nominal cross section | 2.5 mm <sup>2</sup> |

## 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 |
| 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 %                                                                                                                |

## Mounting

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

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

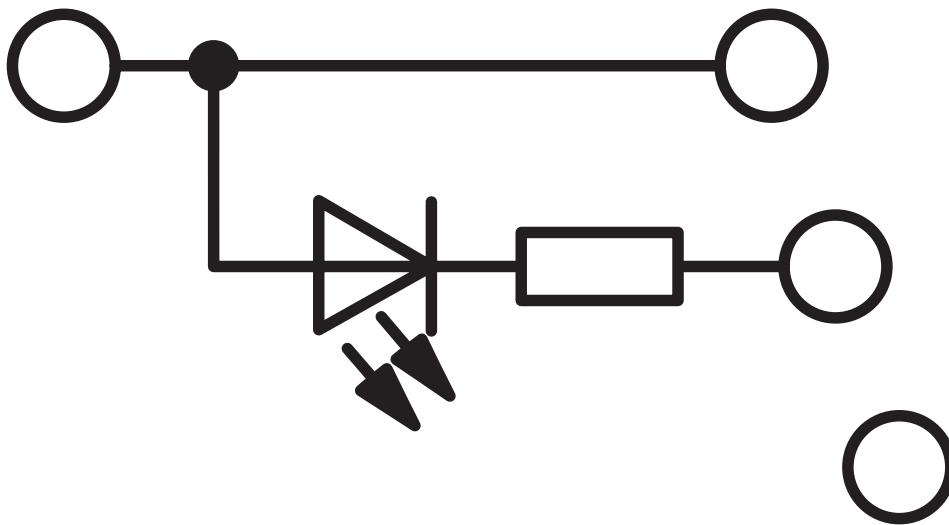


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## Drawings

Circuit diagram



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



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## Approvals

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

|                                                                                                                    |                       |                       |                   |                             |
|--------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>CSA</b><br>Approval ID: 13631 |                       |                       |                   |                             |
|                                                                                                                    | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                                                                                                    | 300 V                 | 15 A                  | 28 - 14           | -                           |

|                                                                                                                                   |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
|  <b>EAC</b><br>Approval ID: RU C-DE.BL08.B.00534 |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|

|                                                                                                                                  |                       |                       |                   |                             |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>cULus Recognized</b><br>Approval ID: E60425 |                       |                       |                   |                             |
|                                                                                                                                  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| Use group B                                                                                                                      |                       |                       |                   |                             |
|                                                                                                                                  | 300 V                 | 15 A                  | 30 - 14           | -                           |
| PE connection                                                                                                                    | -                     | -                     | 30 - 14           | -                           |
| Use group C                                                                                                                      |                       |                       |                   |                             |
|                                                                                                                                  | 150 V                 | 15 A                  | 30 - 14           | -                           |
| PE connection                                                                                                                    | -                     | -                     | 30 - 14           | -                           |
| Use group D                                                                                                                      |                       |                       |                   |                             |
|                                                                                                                                  | 300 V                 | 10 A                  | 30 - 14           | -                           |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27141128 |
| ECLASS-12.0 | 27141128 |
| ECLASS-13.0 | 27250112 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000900 |
|----------|----------|

### UNSPSC

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

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## Environmental product compliance

|            |                                                         |
|------------|---------------------------------------------------------|
| REACH SVHC | Hexahydromethylphthalic anhydride                       |
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

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