

## Sensor/actuator terminal block - DOKD 1,5-TG - 3011054

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Sensor/actuator terminal block, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 24 - 12, Connection type: Screw connection, Width: 6.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

### Product Features

- 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
- 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
- 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
- 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



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 017918 091910 |
| Weight per Piece (excluding packing) | 18.4 g  |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Poland  |

### Technical data

#### General

|                       |                     |
|-----------------------|---------------------|
| Number of levels      | 3                   |
| Number of connections | 5                   |
| Nominal cross section | 2.5 mm <sup>2</sup> |

## Sensor/actuator terminal block - DOKD 1,5-TG - 3011054

### Technical data

#### General

|  |   |
|--|---|
| Color                                  | gray  |
| Insulating material                    | PA  |
| Flammability rating according to UL 94 | V2  |
| Rated surge voltage                    | 4 kV  |
| Degree of pollution                    | 3   |
| Overvoltage category                   | III   |
| Insulating material group              | I   |
| Connection in acc. with standard       | IEC 60947-7-1 / IEC 60947-7-2                             |
| Nominal current $I_N$                  | 24 A  |
| Maximum load current                   | 26 A (with a 2.5 mm <sup>2</sup> conductor cross section) |
| Nominal voltage $U_N$                  | 250 V (the voltage is determined by the component used)   |
| Connection in acc. with standard       | IEC 60947-7-1   |
| Nominal current $I_N$ (upper level)    | 16 A  |
| Maximum load current (upper level)     | 16 A (with 4 mm <sup>2</sup> conductor cross section)     |
| Nominal voltage $U_N$                  | 250 V   |
| Open side panel                        | No  |

#### Dimensions

|                  |         |
|------------------|---------|
| Width            | 6.2 mm  |
| Length           | 63 mm   |
| Height NS 35/7,5 | 54.5 mm |
| Height NS 35/15  | 62 mm   |

#### Connection data

|  |                      |
|--|----------------------|
| Connection method  | Screw connection     |
| Conductor cross section solid min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.   | 4 mm <sup>2</sup>    |
| Conductor cross section flexible min.                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                      | 2.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.   | 24                   |
| Conductor cross section AWG max.   | 12                   |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 2.5 mm <sup>2</sup>  |
| Cross section with insertion bridge, solid max.                            | 4 mm <sup>2</sup>    |
| Cross section with insertion bridge, stranded max.                         | 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid min.                           | 0.2 mm <sup>2</sup>  |

## Sensor/actuator terminal block - DOKD 1,5-TG - 3011054

### Technical data

#### Connection data

|   |                      |
|---|----------------------|
| 2 conductors with same cross section, solid max.  | 1 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded min.                                     | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                     | 1 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.25 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 1 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1 mm <sup>2</sup>    |
| Cross section with insertion bridge, solid max.   | 4 mm <sup>2</sup>    |
| Cross section with insertion bridge, stranded max.                                      | 2.5 mm <sup>2</sup>  |
| Stripping length  | 8 mm                 |
| Internal cylindrical gage   | A3                   |
| Screw thread  | M3                   |
| Tightening torque, min  | 0.5 Nm               |
| Tightening torque max   | 0.6 Nm               |
| Connection method   | Screw connection     |
| Conductor cross section solid min.  | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.  | 4 mm <sup>2</sup>    |
| Conductor cross section flexible min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.   | 2.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.  | 24                   |
| Conductor cross section AWG max.  | 14                   |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 2.5 mm <sup>2</sup>  |
| Cross section with insertion bridge, solid max.   | 4 mm <sup>2</sup>    |
| Cross section with insertion bridge, stranded max.                                      | 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid min.  | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.  | 1 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded min.                                     | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                     | 1 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.25 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 1 mm <sup>2</sup>    |

# Sensor/actuator terminal block - DOKD 1,5-TG - 3011054

## Technical data

### Connection data

|   |                     |
|---|---------------------|
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1 mm <sup>2</sup>   |
| Cross section with insertion bridge, solid max.   | 4 mm <sup>2</sup>   |
| Cross section with insertion bridge, stranded max.                                      | 2.5 mm <sup>2</sup> |
| Stripping length  | 8 mm                |
| Screw thread  | M3                  |
| Tightening torque, min  | 0.5 Nm              |
| Tightening torque max   | 0.6 Nm              |

### Standards and Regulations

|  |                               |
|--|-------------------------------|
| Connection in acc. with standard       | CSA                           |
|  | IEC 60947-7-1 / IEC 60947-7-2 |
|  | IEC 60947-7-1                 |
| Flammability rating according to UL 94 | V2                            |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141118 |
| eCl@ss 4.1 | 27141118 |
| eCl@ss 5.0 | 27141118 |
| eCl@ss 5.1 | 27141118 |
| eCl@ss 6.0 | 27141128 |
| eCl@ss 7.0 | 27141128 |
| eCl@ss 8.0 | 27141128 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000900 |
| ETIM 3.0 | EC000900 |
| ETIM 4.0 | EC000900 |
| ETIM 5.0 | EC000900 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11     | 39121410 |
| UNSPSC 12.01  | 39121410 |

# Sensor/actuator terminal block - DOKD 1,5-TG - 3011054

## Classifications

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 39121410 |
|-------------|----------|

## Approvals

### Approvals

#### Approvals

CSA / UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

## Approval details

|                                |       |
|--------------------------------|-------|
| CSA                            |       |
| mm <sup>2</sup> /AWG/kcmil     | 28-14 |
| Nominal current I <sub>N</sub> | 15 A  |
| Nominal voltage U <sub>N</sub> | 300 V |

|                                |       |
|--------------------------------|-------|
| UL Recognized                  |       |
| mm <sup>2</sup> /AWG/kcmil     | 30-14 |
| Nominal current I <sub>N</sub> | 15 A  |
| Nominal voltage U <sub>N</sub> | 300 V |

|                            |       |
|----------------------------|-------|
| cUL Recognized             |       |
| mm <sup>2</sup> /AWG/kcmil | 30-14 |

## Sensor/actuator terminal block - DOKD 1,5-TG - 3011054

### Approvals

|                                |       |
|--------------------------------|-------|
| Nominal current I <sub>N</sub> | 15 A  |
| Nominal voltage U <sub>N</sub> | 300 V |

EAC

EAC

cULus Recognized  US

### Drawings

Circuit diagram

