

# G 10/ 3 SO-DK - Device terminal block



3013094

<https://www.phoenixcontact.com/us/products/3013094>

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Device terminal block, nom. voltage: 800 V, nominal current: 57 A, number of connections: 6, number of positions: 3, connection method: Screw connection, Rated cross section: 10 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup> - 16 mm<sup>2</sup>, mounting type: direct screw connection, color: gray

## Your advantages

- Touch-proof shock protection

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3013094       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales key                            | BE12          |
| Product key                          | BE1265        |
| GTIN                                 | 4017918162825 |
| Weight per piece (including packing) | 55.826 g      |
| Weight per piece (excluding packing) | 54.19 g       |
| Customs tariff number                | 85369010      |
| Country of origin                    | TR            |

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## Technical data

### Product properties

|                       |                             |
|-----------------------|-----------------------------|
| Product type          | Feed-through terminal block |
| Product family        | G                           |
| Number of positions   | 3                           |
| Number of connections | 6                           |
| Number of rows        | 1                           |
| Potentials            | 3                           |

### Insulation characteristics

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

### Electrical properties

|                                                 |        |
|-------------------------------------------------|--------|
| Rated surge voltage                             | 8 kV   |
| Maximum power dissipation for nominal condition | 1.82 W |

### Connection data

|                                                                                           |                                                        |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Number of connections per level                                                           | 6                                                      |
| Nominal cross section                                                                     | 10 mm <sup>2</sup>                                     |
| Connection method                                                                         | Screw connection                                       |
| Screw thread                                                                              | M4                                                     |
| Note                                                                                      | Six-lobe slotted                                       |
| Tightening torque                                                                         | 1.5 ... 1.8 Nm                                         |
| Stripping length                                                                          | 10.6 mm                                                |
| Internal cylindrical gage                                                                 | A3                                                     |
| Connection in acc. with standard                                                          | IEC 60947-7-1                                          |
| Conductor cross-section rigid                                                             | 0.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>             |
| Cross section AWG                                                                         | 20 ... 6 (converted acc. to IEC)                       |
| Conductor cross-section flexible                                                          | 0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>             |
| Conductor cross-section, flexible [AWG]                                                   | 20 ... 8 (converted acc. to IEC)                       |
| Conductor cross-section flexible (ferrule without plastic sleeve)                         | 0.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>             |
| Flexible conductor cross-section (ferrule with plastic sleeve)                            | 0.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>             |
| 2 conductors with same cross section, solid                                               | 0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>              |
| 2 conductors with same cross section, flexible                                            | 0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>              |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve       | 0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>              |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>              |
| Nominal current                                                                           | 57 A                                                   |
| Maximum load current                                                                      | 76 A (with 16 mm <sup>2</sup> conductor cross-section) |
| Nominal voltage                                                                           | 800 V                                                  |
| Nominal cross section                                                                     | 10 mm <sup>2</sup>                                     |

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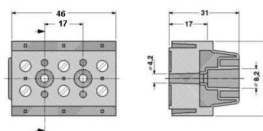


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## Dimensions

Dimensional drawing



|        |       |
|--------|-------|
| Width  | 46 mm |
| Height | 33 mm |
| Depth  | 31 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 | direct screw connection |
|---------------|-------------------------|

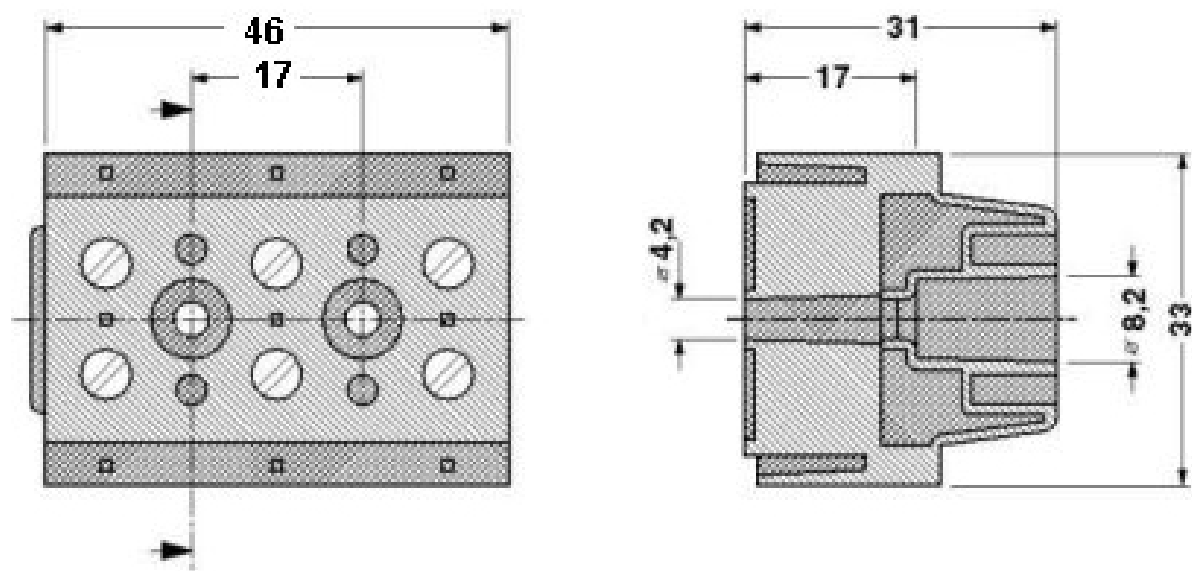
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## Drawings

### Dimensional drawing



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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27141106 |
| ECLASS-15.0 | 27141106 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC001284 |
|----------|----------|

### UNSPSC

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

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## 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%               |

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