

# G 10/ 2 SO-DK - Device terminal block



3013081

<https://www.phoenixcontact.com/us/products/3013081>

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Device terminal block, nom. voltage: 800 V, nominal current: 57 A, number of connections: 4, number of positions: 2, 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	3013081
Packing unit	1 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Sales key	BE12
Product key	BE1265
GTIN	4017918162832
Weight per piece (including packing)	36.76 g
Weight per piece (excluding packing)	36.76 g
Customs tariff number	85369010
Country of origin	TR

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## Technical data

### Product properties

Product type	Feed-through terminal block
Number of positions	2
Number of connections	4
Number of rows	1
Potentials	2

### 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	4
Nominal cross section	10 mm <sup>2</sup>
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>

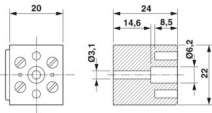
### Dimensions

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Dimensional drawing	
Width	20 mm
Height	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 (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 (storage/transport)	30 % ... 70 %

## Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
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## Mounting

Mounting type	direct screw connection
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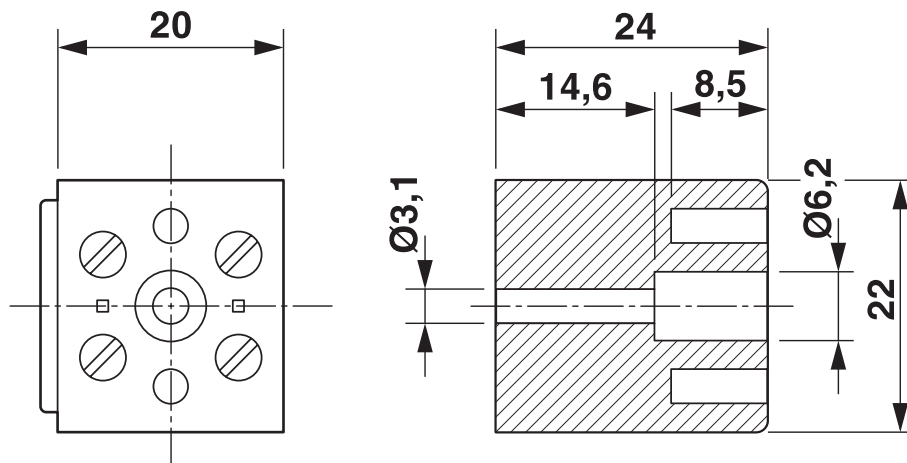


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## Drawings

Dimensional drawing



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## Classifications

### ECLASS

ECLASS-11.0	27141106
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### ETIM

ETIM 8.0	EC001284
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### 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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