

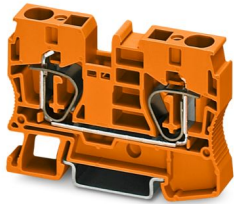
# ST 10 OG - Feed-through terminal block



3036111

<https://www.phoenixcontact.com/us/products/3036111>

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Feed-through terminal block, nom. voltage: 1000 V, nominal current: 57 A, number of connections: 2, connection method: Spring-cage connection, Rated cross section: 10 mm<sup>2</sup>, 1 level, cross section: 0.2 mm<sup>2</sup> - 16 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: orange

## Your advantages

- The double bridge shaft not only enables individual chain bridging, but also reducing bridging to spring-cage terminal blocks with smaller cross sections
- The flexible options for reducing bridging in the CLIPLINE complete system can be found in "Accessories for the CLIPLINE complete modular terminal block system"
- Tested for railway applications

## Commercial data

Item number	3036111
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE02
Product key	BE2111
GTIN	4055626318592
Weight per piece (including packing)	25.33 g
Weight per piece (excluding packing)	25.33 g
Customs tariff number	85369010
Country of origin	PL

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## Technical data

### Product properties

Product type	Feed-through terminal block
Area of application	Railway industry
	Machine building
	Plant engineering
	Process industry
Number of connections	2
Number of rows	1
Potentials	1

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

#### 1 level

Connection method	Spring-cage connection
Stripping length	18 mm
Internal cylindrical gage	A6
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Cross section AWG	24 ... 6 (converted acc. to IEC)
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	24 ... 8 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm <sup>2</sup> ... 10 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	1.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Nominal cross section	10 mm <sup>2</sup>
Nominal current	57 A
Maximum load current	65 A (with 16 mm <sup>2</sup> conductor cross-section)
Nominal voltage	1000 V

### Ex data

Rated data (ATEX/IECEx)

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Identification	Ⓜ II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 85 °C
Ex-certified accessories	3036644 D-ST 10
	1206612 SZF 3-1,0X5,5
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
List of bridges	Plug-in bridge / FBS 2-10 / 3005947
	Plug-in bridge / FBS 5-10 / 3005948
Bridge data	53.5 A (10 mm <sup>2</sup> )
Ex temperature increase	40 K (56.6 A / 10 mm <sup>2</sup> )
for bridging with bridge	550 V
Rated insulation voltage	500 V
output	(Permanent)

## Ex level General

Rated voltage	550 V
Rated current	51 A
Maximum load current	59.5 A
Contact resistance	0.4 mΩ

## Ex connection data General

Nominal cross section	10 mm <sup>2</sup>
Rated cross section AWG	8
Connection capacity rigid	1.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Connection capacity AWG	16 ... 6
Connection capacity flexible	1.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Connection capacity AWG	16 ... 8

## Dimensions

Width	10.2 mm
End cover width	2.2 mm

## Material specifications

Color	orange (RAL 2003)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

## Mechanical properties

### Mechanical data

Open side panel	Yes
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## Environmental and real-life conditions

### Ambient conditions

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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	NS 35/7,5
	NS 35/15

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## Drawings

Circuit diagram



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## Classifications

### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### 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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### EF3.1 Climate Change

CO2e kg	0.26 kg CO2e
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