

# ST 10 BK - Feed-through modular terminal block



3035665

<https://www.phoenixcontact.com/it/products/3035665>

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 documentation. Our general terms of use for downloads are valid.



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

## 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	3035665
Packing unit	50 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Sales key	BE2
Product key	BE2111
GTIN	4055626457369
Weight per piece (including packing)	25.168 g
Weight per piece (excluding packing)	25.168 g
Customs tariff number	85369010
Country of origin	PL

# ST 10 BK - Feed-through modular terminal block



3035665

<https://www.phoenixcontact.com/it/products/3035665>

## 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

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 current	57 A
Maximum load current	65 A (with 16 mm <sup>2</sup> conductor cross section)
Nominal voltage	1000 V
Nominal cross section	10 mm <sup>2</sup>

### Ex data

#### Rated data (ATEX/IECEx)

Identification	Ⓔ II 2 GD Ex eb IIC Gb
----------------	------------------------

# ST 10 BK - Feed-through modular terminal block



3035665

<https://www.phoenixcontact.com/it/products/3035665>

Operating temperature range	-60 °C ... 110 °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> )
Rated voltage	550 V
for bridging with bridge	550 V
Rated insulation voltage	500 V
output	(Permanent)

## Ex level General

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	black
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

## Mechanical properties

### Mechanical data

Open side panel	Yes
-----------------	-----

## 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)
---	---

# ST 10 BK - Feed-through modular terminal block



3035665

<https://www.phoenixcontact.com/it/products/3035665>

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
----------------------------------	---------------

## Mounting

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

# ST 10 BK - Feed-through modular terminal block

3035665

<https://www.phoenixcontact.com/it/products/3035665>



## Drawings

Circuit diagram



# ST 10 BK - Feed-through modular terminal block



3035665

<https://www.phoenixcontact.com/it/products/3035665>

## Classifications

### ECLASS

ECLASS-11.0	27141120
-------------	----------

### ETIM

ETIM 8.0	EC000897
----------	----------

### UNSPSC

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

# ST 10 BK - Feed-through modular terminal block



3035665

<https://www.phoenixcontact.com/lt/products/3035665>

## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Phoenix Contact 2024 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact UAB  
Svitrigailos str. 11B  
03228 Vilnius  
+370 5 2106321  
[balticinfo@phoenixcontact.com](mailto:balticinfo@phoenixcontact.com)