

ST 10 BK - Feed-through modular terminal block



3035665

<https://www.phoenixcontact.com/us/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, Rated cross section: 10 mm², 1 level, cross section: 0.2 mm² - 16 mm², 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	1 pc
Note	Made to order (non-returnable)
Sales key	BE02
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/us/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 ²

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 ² ... 16 mm ²
Cross section AWG	24 ... 6 (converted acc. to IEC)
Conductor cross-section flexible	0.2 mm ² ... 10 mm ²
Conductor cross-section, flexible [AWG]	24 ... 8 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 10 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm ² ... 10 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	1.5 mm ² ... 2.5 mm ²
Nominal cross section	10 mm ²
Nominal current	57 A
Maximum load current	65 A (with 16 mm ² conductor cross-section)
Nominal voltage	1000 V

Ex data

Rated data (ATEX/IECEx)

ST 10 BK - Feed-through modular terminal block



3035665

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

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 ²)
Ex temperature increase	40 K (56.6 A / 10 mm ²)
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 ²
Rated cross section AWG	8
Connection capacity rigid	1.5 mm ² ... 16 mm ²
Connection capacity AWG	16 ... 6
Connection capacity flexible	1.5 mm ² ... 10 mm ²
Connection capacity AWG	16 ... 8

Dimensions

Width	10.2 mm
End cover width	2.2 mm

Material specifications

Color	black (RAL 9005)
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

ST 10 BK - Feed-through modular terminal block



3035665

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

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

Mounting

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

ST 10 BK - Feed-through modular terminal block

3035665

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



Drawings

Circuit diagram



ST 10 BK - Feed-through modular terminal block



3035665

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

Classifications

UNSPSC

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

ST 10 BK - Feed-through modular terminal block



3035665

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

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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com