

ST 1,5 BKYE-FE - Feed-through terminal block



3035496

<https://www.phoenixcontact.com/us/products/3035496>

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 terminal block, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 2, connection method: Spring-cage connection, Rated cross section: 1.5 mm², 1 level, cross section: 0.08 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: black/yellow

Your advantages

- As well as saving space, the compact design and front connection enable user-friendly wiring in a small amount of space
- The consistent double function shaft offers every opportunity for time-saving potential distribution and accommodating test accessories
- The large wiring space enables the use of conductors with ferrules and plastic collars within the nominal cross section
- Tested for railway applications

Commercial data

Item number	3035496
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE02
Product key	BE2111
GTIN	4046356319881
Weight per piece (including packing)	4.993 g
Weight per piece (excluding packing)	4.977 g
Customs tariff number	85369010
Country of origin	DE

ST 1,5 BKYE-FE - Feed-through terminal block



3035496

<https://www.phoenixcontact.com/us/products/3035496>

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	6 kV
Maximum power dissipation for nominal condition	0.56 W

Connection data

Number of connections per level	2
Nominal cross section	1.5 mm ²

1 level

Connection method	Spring-cage connection
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A1
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.08 mm ² ... 1.5 mm ²
Cross section AWG	28 ... 16 (converted acc. to IEC)
Conductor cross-section flexible	0.08 mm ² ... 1.5 mm ²
Conductor cross-section, flexible [AWG]	28 ... 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 1.5 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.14 mm ² ... 1.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ²
Nominal current	17.5 A
Maximum load current	17.5 A (with 1.5 mm ² conductor cross-section)
Nominal voltage	500 V
Nominal cross section	1.5 mm ²

Ex data

Rated data (ATEX/IECEx)

ST 1,5 BKYE-FE - Feed-through terminal block



3035496

<https://www.phoenixcontact.com/us/products/3035496>

Identification	II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 85 °C
Ex-certified accessories	3030417 D-ST 2,5 3030721 ATP-ST 4 1204504 SZF 0-0,4X2,5 3022276 CLIPFIX 35-5 3022218 CLIPFIX 35
List of bridges	Plug-in bridge / FBS 2-4 / 3030116 Plug-in bridge / FBS 3-4 / 3030129 Plug-in bridge / FBS 4-4 / 3030132 Plug-in bridge / FBS 5-4 / 3030145 Plug-in bridge / FBS 10-4 / 3030158 Plug-in bridge / FBS 20-4 / 3030352
Bridge data	16.5 A (1.5 mm ²)
Ex temperature increase	40 K (19.4 A / 1.5 mm ²)
for bridging with bridge	440 V
- At bridging between non-adjacent terminal blocks	352 V
- At bridging between non-adjacent terminal blocks via PE terminal block	352 V
- At cut-to-length bridging with cover	220 V
- At cut-to-length bridging with partition plate	275 V
Rated insulation voltage	400 V
output	(Permanent)

Ex level General

Rated voltage	440 V
Rated current	17.5 A
Maximum load current	17.5 A
Contact resistance	1.43 mΩ

Ex connection data General

Nominal cross section	1.5 mm ²
Rated cross section AWG	16
Connection capacity rigid	0.08 mm ² ... 1.5 mm ²
Connection capacity AWG	28 ... 16
Connection capacity flexible	0.08 mm ² ... 1.5 mm ²
Connection capacity AWG	28 ... 16

Dimensions

Width	4.2 mm
End cover width	2.2 mm

Material specifications

Color	multicolored (RAL -) black (RAL 9005)
-------	--

ST 1,5 BKYE-FE - Feed-through terminal block



3035496

<https://www.phoenixcontact.com/us/products/3035496>

	yellow (RAL 1018)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3

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)
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 1,5 BKYE-FE - Feed-through terminal block

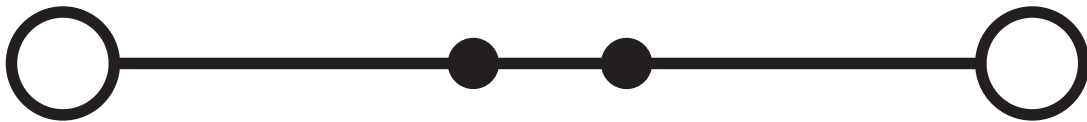
3035496

<https://www.phoenixcontact.com/us/products/3035496>



Drawings

Circuit diagram



ST 1,5 BKYE-FE - Feed-through terminal block



3035496

<https://www.phoenixcontact.com/us/products/3035496>

Classifications

ETIM

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

UNSPSC

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

ST 1,5 BKYE-FE - Feed-through terminal block



3035496

<https://www.phoenixcontact.com/us/products/3035496>

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

Phoenix Contact 2025 © - 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