

STTBS 2,5 BU - Double-level spring-cage terminal block

3038493
<https://www.phoenixcontact.com/us/products/3038493>

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.



Double-level spring-cage terminal block, nom. voltage: 500 V, nominal current: 22 A, connection method: Spring-cage connection, 1st and 2nd level, Rated cross section: 2.5 mm², cross section: 0.08 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: blue

Your advantages

- Two large-surface labeling options

Commercial data

Item number	3038493
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE02
Product key	BE2114
Catalog page	Page 221 (C-1-2019)
GTIN	4017918906894
Weight per piece (including packing)	12.35 g
Weight per piece (excluding packing)	11.554 g
Customs tariff number	85369010
Country of origin	DE

STTBS 2,5 BU - Double-level spring-cage terminal block



3038493

<https://www.phoenixcontact.com/us/products/3038493>

Technical data

Product properties

Product type	Multi-level terminal block
Number of connections	4
Number of rows	2
Potentials	2

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	0.77 W

Connection data

Number of connections per level	2
Nominal cross section	2.5 mm ²

1st and 2nd level

Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.08 mm ² ... 4 mm ²
Cross section AWG	28 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.08 mm ² ... 2.5 mm ²
Conductor cross section, flexible [AWG]	28 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 2.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 2.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ²
Nominal current	22 A
Maximum load current	26 A (with 4 mm ² conductor cross section)
Nominal voltage	500 V
Nominal cross section	2.5 mm ²

Ex data

Rated data (ATEX/IECEx)

Identification	Ⓔ II 2 G Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	3038503 D-STTBS 2,5 1204517 SZF 1-0,6X3,5 3022276 CLIPFIX 35-5

STTBS 2,5 BU - Double-level spring-cage terminal block



3038493

<https://www.phoenixcontact.com/us/products/3038493>

	3022218 CLIPFIX 35
List of bridges	Plug-in bridge / FBS 2-5 / 3030161
	Plug-in bridge / FBS 3-5 / 3030174
	Plug-in bridge / FBS 4-5 / 3030187
	Plug-in bridge / FBS 5-5 / 3030190
	Plug-in bridge / FBS 10-5 / 3030213
	Plug-in bridge / FBS 20-5 / 3030226
	Plug-in bridge / FBS 50-5 / 3038930
Bridge data	19 A / 2.5 mm ²
Ex temperature increase	40 K (19.5 A / 2.5 mm ²)
Rated voltage	440 V
for bridging with bridge	440 V
- At bridging between non-adjacent terminal blocks	352 V
- At cut-to-length bridging	220 V
- At cut-to-length bridging with cover	220 V
Rated insulation voltage	400 V
output	(Permanent)

Ex level General

Rated current	19.5 A
Maximum load current	23.5 A

Ex connection data General

Nominal cross section	2.5 mm ²
Rated cross section AWG	14
Connection capacity rigid	0.08 mm ² ... 4 mm ²
Connection capacity AWG	28 ... 12
Connection capacity flexible	0.08 mm ² ... 2.5 mm ²
Connection capacity AWG	28 ... 14
output	(Permanent)

Ex level Level 1

Contact resistance	1.25 mΩ
output	(Permanent)

Ex level Level 2

Contact resistance	0.83 mΩ
--------------------	---------

Dimensions

Width	5.2 mm
End cover width	2.2 mm
Height	78 mm
Depth on NS 35/7,5	55 mm
Depth on NS 35/15	62.5 mm

Material specifications

STTBS 2,5 BU - Double-level spring-cage terminal block



3038493

<https://www.phoenixcontact.com/us/products/3038493>

Color	blue
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))	125 °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
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

Mechanical properties

Mechanical data

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

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
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 (operation)	20 % ... 90 %
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

STTBS 2,5 BU - Double-level spring-cage terminal block

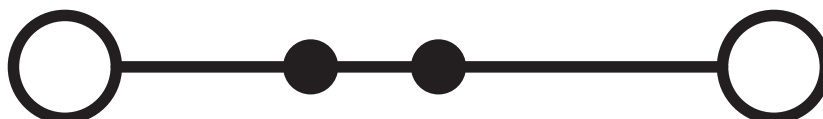


3038493

<https://www.phoenixcontact.com/us/products/3038493>

Drawings

Circuit diagram



STTBS 2,5 BU - Double-level spring-cage terminal block



3038493

<https://www.phoenixcontact.com/us/products/3038493>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3038493>

 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	300 V	20 A	28 - 12	-
Use group C				
	300 V	20 A	28 - 12	-

 LR Approval ID: LR21234196TA
--

 NK Approval ID: 06ME279

 RS Approval ID: 22.44.01.00083.250
--

ABS Approval ID: 21-2158220-PDA

 cULus Recognized Approval ID: E60425
--

 cULus Recognized Approval ID: E60425
--

DNV Approval ID: TAE00001CS

 EAC Ex Approval ID: RU C-DE.HA91.B.00066
--

 IECEx Approval ID: IECExPTB07.0024U

STTBS 2,5 BU - Double-level spring-cage terminal block



3038493

<https://www.phoenixcontact.com/us/products/3038493>



ATEX

Approval ID: PTB07ATEX1027U



CCC

Approval ID: 2020322313000621



UKCA-EX

Approval ID: CSAE 22UKEX1141U

STTB 2,5 BU - Double-level spring-cage terminal block



3038493

<https://www.phoenixcontact.com/us/products/3038493>

Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250102

ETIM

ETIM 9.0	EC000897
----------	----------

UNSPSC

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

STTBS 2,5 BU - Double-level spring-cage terminal block



3038493
<https://www.phoenixcontact.com/us/products/3038493>

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