

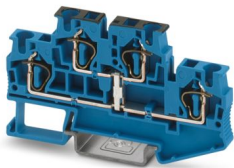
STTB 4-PV BU - Double-level terminal block



3035593

<https://www.phoenixcontact.com/us/products/3035593>

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 terminal block, with equipotential bonder, nom. voltage: 500 V, nominal current: 30 A, connection method: Spring-cage connection, 1st and 2nd level, Rated cross section: 4 mm², cross section: 0.08 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: blue

Your advantages

- Simple wiring of very small, flexible conductors
- Enables one-handed wiring
- No restriction on cross-sections when using conductors with ferrules
- Reliable vibration resistance thanks to spring-loaded contact elements
- High space savings thanks to the compact integration of two separate circuits in a single terminal block
- Full flexibility thanks to the standardized CLIPLINE complete bridging, marking, and testing accessories

Commercial data

Item number	3035593
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE02
Product key	BE2114
GTIN	4046356464741
Weight per piece (including packing)	16.986 g
Weight per piece (excluding packing)	16.986 g
Customs tariff number	85369010
Country of origin	DE

STTB 4-PV BU - Double-level terminal block



3035593

<https://www.phoenixcontact.com/us/products/3035593>

Technical data

Product properties

Product type	Multi-level terminal block
Product family	ST
Number of connections	4
Number of rows	2
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	1.02 W

Connection data

Number of connections per level	2
Nominal cross section	4 mm ²

1st and 2nd level

Connection method	Spring-cage connection
Stripping length	10 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.08 mm ² ... 6 mm ²
Cross section AWG	28 ... 10 (converted acc. to IEC)
Conductor cross-section flexible	0.08 mm ² ... 4 mm ²
Conductor cross-section, flexible [AWG]	28 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 4 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.14 mm ² ... 4 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1 mm ²

STTB 4-PV BU - Double-level terminal block



3035593

<https://www.phoenixcontact.com/us/products/3035593>

Ex-certified accessories	3030747 ATP-STTB 4
	1204517 SZF 1-0,6X3,5
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
List of bridges	Plug-in bridge / FBS 2-6 / 3030336
	Plug-in bridge / FBS 3-6 / 3030242
	Plug-in bridge / FBS 4-6 / 3030255
	Plug-in bridge / FBS 5-6 / 3030349
	Plug-in bridge / FBS 10-6 / 3030271
	Plug-in bridge / FBS 20-6 / 3030365
Bridge data	24 A / 4 mm ²
Ex temperature increase	40 K (29.6 A/4 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	220 V
Rated insulation voltage	400 V
output	(Permanent)

Ex level General

Rated voltage	440 V
Rated current	26.5 A
Maximum load current	30 A

Ex connection data General

Nominal cross section	4 mm ²
Rated cross section AWG	

STTB 4-PV BU - Double-level terminal block



3035593

<https://www.phoenixcontact.com/us/products/3035593>

Width	6.2 mm
End cover width	2.2 mm
Height	83.5 mm
Depth on NS 35/7,5	47.5 mm
Depth on NS 35/15	55 mm

Material specifications

Color	blue (RAL 5015)
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

STTB 4-PV BU - Double-level terminal block



3035593

<https://www.phoenixcontact.com/us/products/3035593>

	NS 35/15
--	----------

STTB 4-PV BU - Double-level terminal block

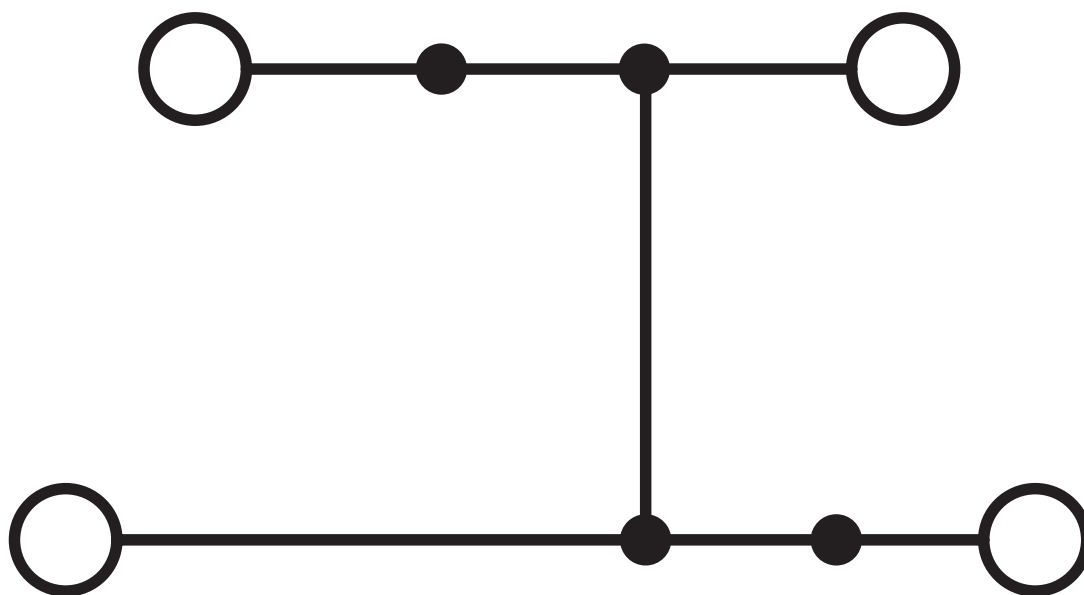


3035593

<https://www.phoenixcontact.com/us/products/3035593>

Drawings

Circuit diagram



STTB 4-PV BU - Double-level terminal block



3035593

<https://www.phoenixcontact.com/us/products/3035593>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3035593>

 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B	300 V	30 A	28 - 10	-
C	300 V	30 A	28 - 10	-

 IECEE CB Scheme Approval ID: DE1-63028_M1				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine	500 V	32 A	-	0.2 - 4

||
||
||

STTB 4-PV BU - Double-level terminal block



3035593

<https://www.phoenixcontact.com/us/products/3035593>



ATEX

Approval ID: KEMA00ATEX2129U



EAC Ex

Approval ID: KZ 7500525010101950



IECEx

Approval ID: IECEx KEM 06.0050U



CCC

Approval ID: 2020322313000621



STTB 4-PV BU - Double-level terminal block



3035593

<https://www.phoenixcontact.com/us/products/3035593>

Classifications

ECLASS

ECLASS-13.0	27250102
ECLASS-15.0	27250102

ETIM

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

UNSPSC

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

STTB 4-PV BU - Double-level terminal block



3035593
<https://www.phoenixcontact.com/us/products/3035593>

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