

STTB 2,5/2P-PE SO - Protective conductor double-level terminal block



3040915

<https://www.phoenixcontact.com/us/products/3040915>

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.



Protective conductor double-level terminal block, connection method: Spring-cage/plug-in connection, Rated cross section: 2.5 mm², cross section: 0.08 mm² - 4 mm², mounting type: NS 35/15, NS 35/7,5, color: green/yellow

Your advantages

- Potential routing on two levels

Commercial data

Item number	3040915
Packing unit	50 pc
Minimum order quantity	50 pc
Product key	BE2142
GTIN	4046356306225
Weight per piece (including packing)	14.03 g
Weight per piece (excluding packing)	14.03 g
Country of origin	PL

STTB 2,5/2P-PE SO - Protective conductor double-level terminal block



3040915

<https://www.phoenixcontact.com/us/products/3040915>

Technical data

Product properties

Product type	Ground terminal block
Product family	ST
Number of connections	2
Number of rows	2

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	0 W

Connection data

Grounding foot	Yes
Number of connections per level	2
Connection method	Spring-cage/plug-in connection
Note	Please observe the current carrying capacity of the DIN rails.
Stripping length	8 mm ... 10 mm
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)
Flexible conductor cross-section (ferrule with plastic sleeve)	0.14 mm ² ... 2.5 mm ²
Nominal cross section	2.5 mm ²

Dimensions

Width	5.2 mm
End cover width	2.2 mm
Height	71.5 mm
Depth on NS 35/7,5	47.5 mm
Depth on NS 35/15	55 mm

Material specifications

Color	green-yellow
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	130 °C

STTB 2,5/2P-PE SO - Protective conductor double-level terminal block



3040915

<https://www.phoenixcontact.com/us/products/3040915>

0304-21))	
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)	28 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

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Long life test category 1, class B, body mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
ASD level	$0.964 \text{ (m/s}^2\text{)}^2\text{/Hz}$
Acceleration	0.58g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Pulse shape	Half-sine
Acceleration	5g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

Ambient conditions

Ambient temperature (operation)	-60 °C (max. operating temperature see derating curve)
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 %

STTB 2,5/2P-PE SO - Protective conductor double-level terminal block



3040915

<https://www.phoenixcontact.com/us/products/3040915>

Mounting

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

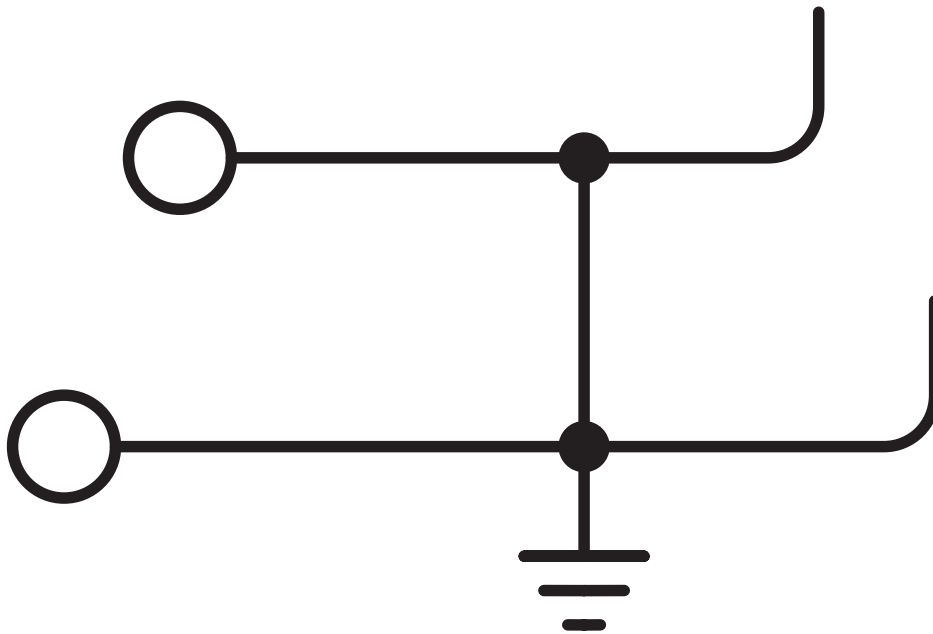
STTB 2,5/2P-PE SO - Protective conductor double-level terminal block

3040915

<https://www.phoenixcontact.com/us/products/3040915>

Drawings

Circuit diagram



STTB 2,5/2P-PE SO - Protective conductor double-level terminal block




3040915


<https://www.phoenixcontact.com/us/products/3040915>


Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3040915>

 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B	-	-	28 - 12	-
C	-	-	28 - 12	-
D	-	-	28 - 12	-

 IECEE CB Scheme Approval ID: DE1-62736/B1/B2				
--	--	--	--	--

 EAC Approval ID: RU C-DE.BL08.B.00644				
---	--	--	--	--

 VDE Zeichengenehmigung Approval ID: 40019518				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Only flexible conductors	500 V	-	-	0.2 - 2.5
Only rigid conductors	500 V	-	-	0.2 - 4

 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B	-	-	28 - 12	-
C	-	-	28 - 12	-
D	-	-	28 - 12	-

DNV				
------------	--	--	--	--

STTB 2,5/2P-PE SO - Protective conductor double-level terminal block



3040915

<https://www.phoenixcontact.com/us/products/3040915>

Approval ID: TAE00001CS



EAC

Approval ID: KZ7500651131219505

STTB 2,5/2P-PE SO - Protective conductor double-level terminal block



3040915

<https://www.phoenixcontact.com/us/products/3040915>

Classifications

ECLASS

ECLASS-13.0	27250104
ECLASS-15.0	27250104

ETIM

ETIM 10.0	EC000901
-----------	----------

UNSPSC

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

STTB 2,5/2P-PE SO - Protective conductor double-level terminal block



3040915

<https://www.phoenixcontact.com/us/products/3040915>

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

EF3.1 Climate Change

CO2e kg	0.099 kg CO2e
---------	---------------

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