

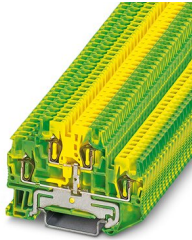
Protective conductor double-level terminal block - STTB 1,5-PE



3036013

<https://www.phoenixcontact.com/de/produkte/3036013>

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Protective conductor double-level terminal block, number of connections: 4, connection method: Spring-cage connection, 1st and 2nd level, cross section: 0.08 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: green-yellow

Your advantages

- Additional labeling options
- Low contact resistance
- Corrosion-free terminal points
- Tested for railway applications

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Commercial Data

Item number	3036013
Packing unit	50 pc
Minimum order quantity	1 pc
Sales Key	A1 - Reihenklemmen
Product Key	BE2124
Catalog Page	Page 208 (C-1-2019)
GTIN	4017918817275
Weight per Piece (including packing)	13,16 g
Weight per Piece (excluding packing)	12,225 g
Customs tariff number	85369010
Country of origin	DE

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Technical Data

Product properties

Product type	Ground terminal block
Area of application	Railway industry
	Machine building
	Plant engineering
	Process industry
Number of connections	4
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	0.56 W

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	1.5 mm ²

1st and 2nd level

Note	Please observe the current carrying capacity of the DIN rails.
Stripping length	10 mm
Internal cylindrical gage	A1
Conductor cross section solid	0.08 mm ² ... 1.5 mm ²
Cross section AWG	28 ... 16
Conductor cross section flexible	0.08 mm ² ... 1.5 mm ²
Conductor cross section, flexible [AWG]	28 ... 16
Flexible conductor cross section flexible (ferrule, w/o 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

Ex data

Rated data (ATEX/IECEX)

ATEX certificate	KEMA 01 ATEX 2129 U
IEC Ex certificate	IECEX KEM 06.0043 U
Identification	□ II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
	3030459 D-STTB 2,5

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Ex-certified accessories	1204504 SZF 0-0,4X2,5
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35

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
Height NS 35/15	55 mm
Height NS 35/7,5	47.5 mm
Length	67.5 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 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
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Environmental and real-life conditions

Oscillation/broadband noise

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Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Service life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	6.12 (m/s ²)/Hz
Acceleration	3.12g
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	30g
Shock duration	18 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 ... 105 °C (max. short-term operating temperature 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 (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-2
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Mounting

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

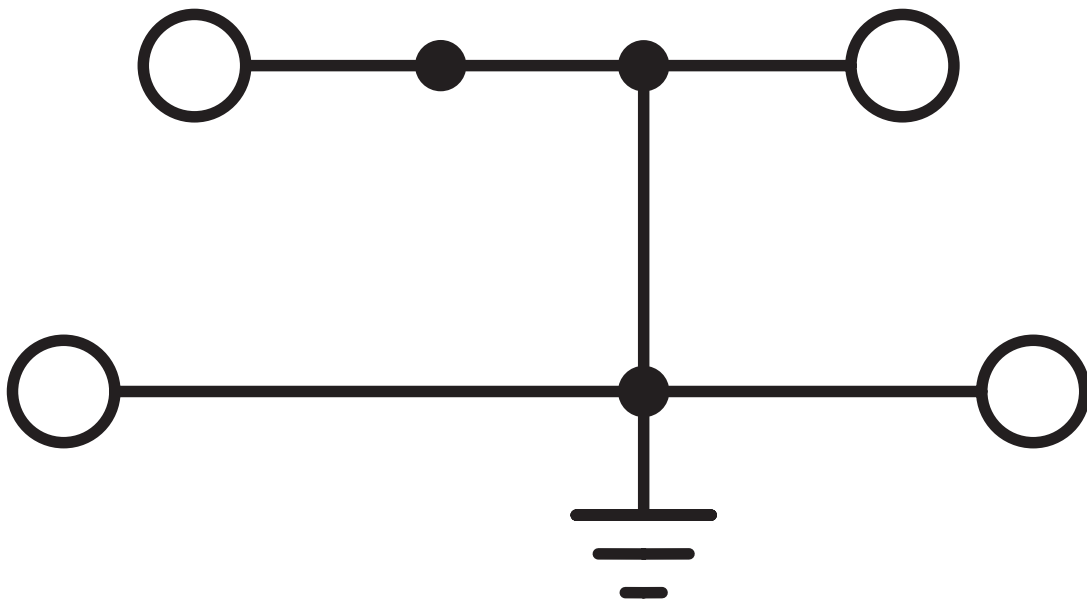
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Drawings

Circuit diagram











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Approvals


 CSA Approval ID: 13631				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			26 - 14	-
 IECEE CB Scheme Approval ID: DE1-62971_M1				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-
 LR Approval ID: LR2014888TA				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-
 KR Approval ID: HMB17372-EL002				
 NK Approval ID: 09 ME 140				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-
 RS Approval ID: 17.00013.272				
 BV Approval ID: 13403/D0 BV				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-
 VDE Zeichengenehmigung Approval ID: 40010331				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	0.2 - 1.5

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 cULus Recognized Approval ID: E60425				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B			26 - 14	-
Use group C			26 - 14	-

DNV Approval ID: TAE00001CS				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-

 ATEX Approval ID: KEMA01ATEX2129U				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Type examination certificate			-	0.08 - 1.5

 EAC Ex Approval ID: RU C-DE.HA91.B.00066				
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 IECEX Approval ID: IECEX KEM 06.0043U				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	0.08 - 1.5

 CCC Approval ID: 2020322313000621				
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 NEPSI Approval ID: GYJ20.1193U				
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Classifications

ECLASS

ECLASS-9.0	27141141
ECLASS-10.0.1	27141141
ECLASS-11.0	27141141

ETIM

ETIM 8.0	EC000901
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UNSPSC

UNSPSC 21.0	39121400
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Environmental Product Compliance


China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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Accessories

 Note: Applying some accessories below might limit this product.


Plug-in bridge

Plug-in bridge - FBS 2-4 - 3030116

<https://www.phoenixcontact.com/de/produkte/3030116>



Plug-in bridge, pitch: 4.2 mm, color: red

 Max. current carrying capacity: 17.5 A


Plug-in bridge

Plug-in bridge - FBS 3-4 - 3030129

<https://www.phoenixcontact.com/de/produkte/3030129>



Plug-in bridge, pitch: 4.2 mm, color: red

 Max. current carrying capacity: 17.5 A

Protective conductor double-level terminal block - STTB 1,5-PE

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Plug-in bridge

Plug-in bridge - FBS 4-4 - 3030132

<https://www.phoenixcontact.com/de/produkte/3030132>



Plug-in bridge, pitch: 4.2 mm, color: red

 Max. current carrying capacity: 17.5 A


Plug-in bridge

Plug-in bridge - FBS 5-4 - 3030145

<https://www.phoenixcontact.com/de/produkte/3030145>



Plug-in bridge, pitch: 4.2 mm, color: red

 Max. current carrying capacity: 17.5 A

Protective conductor double-level terminal block - STTB 1,5-PE

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Plug-in bridge

Plug-in bridge - FBS 10-4 - 3030158

<https://www.phoenixcontact.com/de/produkte/3030158>



Plug-in bridge, pitch: 4.2 mm, color: red

 Max. current carrying capacity: 17.5 A


Plug-in bridge

Plug-in bridge - FBS 20-4 - 3030352

<https://www.phoenixcontact.com/de/produkte/3030352>



Plug-in bridge, pitch: 4.2 mm, color: red

 Max. current carrying capacity: 17.5 A

Protective conductor double-level terminal block - STTB 1,5-PE

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Plug-in bridge

Plug-in bridge - FBS 2-4 BU - 3030117

<https://www.phoenixcontact.com/de/produkte/3030117>



Plug-in bridge, pitch: 4.2 mm, color: blue

 Max. current carrying capacity: 17.5 A


Plug-in bridge

Plug-in bridge - FBS 3-4 BU - 3030130

<https://www.phoenixcontact.com/de/produkte/3030130>



Plug-in bridge, pitch: 4.2 mm, color: blue

 Max. current carrying capacity: 17.5 A

Protective conductor double-level terminal block - STTB 1,5-PE

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Plug-in bridge

Plug-in bridge - FBS 4-4 BU - 3030133

<https://www.phoenixcontact.com/de/produkte/3030133>



Plug-in bridge, pitch: 4.2 mm, color: blue

 Max. current carrying capacity: 17.5 A

Plug-in bridge

Plug-in bridge - FBS 5-4 BU - 3030146

<https://www.phoenixcontact.com/de/produkte/3030146>



Plug-in bridge, pitch: 4.2 mm, color: blue

 Max. current carrying capacity: 17.5 A

Protective conductor double-level terminal block - STTB 1,5-PE

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Plug-in bridge

Plug-in bridge - FBS 10-4 BU - 3036851

<https://www.phoenixcontact.com/de/produkte/3036851>



Plug-in bridge, pitch: 4.2 mm, color: blue

 Max. current carrying capacity: 17.5 A


Plug-in bridge

Plug-in bridge - FBS 20-4 BU - 3030353

<https://www.phoenixcontact.com/de/produkte/3030353>



Plug-in bridge, pitch: 4.2 mm, color: blue

 Max. current carrying capacity: 17.5 A

Protective conductor double-level terminal block - STTB 1,5-PE

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Plug-in bridge

Plug-in bridge - FBS 2-4 GY - 3030118

<https://www.phoenixcontact.com/de/produkte/3030118>



Plug-in bridge, pitch: 4.2 mm, color: gray

 Max. current carrying capacity: 17.5 A


Plug-in bridge

Plug-in bridge - FBS 3-4 GY - 3030131

<https://www.phoenixcontact.com/de/produkte/3030131>



Plug-in bridge, pitch: 4.2 mm, color: gray

 Max. current carrying capacity: 17.5 A

Protective conductor double-level terminal block - STTB 1,5-PE

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Plug-in bridge

Plug-in bridge - FBS 4-4 GY - 3030134

<https://www.phoenixcontact.com/de/produkte/3030134>



Plug-in bridge, pitch: 4.2 mm, color: gray

 Max. current carrying capacity: 17.5 A


Plug-in bridge

Plug-in bridge - FBS 5-4 GY - 3030147

<https://www.phoenixcontact.com/de/produkte/3030147>



Plug-in bridge, pitch: 4.2 mm, color: gray

 Max. current carrying capacity: 17.5 A

Protective conductor double-level terminal block - STTB 1,5-PE

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End cover

End cover - D-STTB 2,5 - 3030459

<https://www.phoenixcontact.com/de/produkte/3030459>

End cover, length: 67.6 mm, width: 2.2 mm, height: 39.7 mm, color: gray



DIN rail perforated

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733

<https://www.phoenixcontact.com/de/produkte/0801733>

DIN rail perforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)



Protective conductor double-level terminal block - STTB 1,5-PE

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Screwdriver

Screwdriver - SZF 0-0,4X2,5 - 1204504

<https://www.phoenixcontact.com/de/produkte/1204504>



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681

<https://www.phoenixcontact.com/de/produkte/0801681>



DIN rail, unperforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)

Protective conductor double-level terminal block - STTB 1,5-PE

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<https://www.phoenixcontact.com/de/produkte/3036013>

Marker carriers

Marker carriers - STP 4-2 - 0810575

<https://www.phoenixcontact.com/de/produkte/0810575>



Marker carriers, gray, unlabeled, mounting type: plug in, lettering field size: 4 x 10.5 mm

DIN rail perforated

DIN rail perforated - NS 35/ 7,5 WH PERF 2000MM - 1204119

<https://www.phoenixcontact.com/de/produkte/1204119>



DIN rail perforated, acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver, Pack of 25 (50 m)

Protective conductor double-level terminal block - STTB 1,5-PE

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<https://www.phoenixcontact.com/de/produkte/3036013>

Mounting material

Mounting material - ST-IL - 3039900

<https://www.phoenixcontact.com/de/produkte/3039900>

Operating decal for the ST terminal block



DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 WH UNPERF 2000MM-VPE 10 - 1204122

<https://www.phoenixcontact.com/de/produkte/1204122>



DIN rail, unperforated, acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver, Pack of 10 (20 m)

Protective conductor double-level terminal block - STTB 1,5-PE

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DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 AL UNPERF 2000MM - 0801704

<https://www.phoenixcontact.com/de/produkte/0801704>



DIN rail, unperforated, acc. to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver, Pack of 25 (50 m)

DIN rail perforated

DIN rail perforated - NS 35/ 7,5 ZN PERF 2000MM - 1206421

<https://www.phoenixcontact.com/de/produkte/1206421>



DIN rail perforated, acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver, Pack of 25 (50 m)

Protective conductor double-level terminal block - STTB 1,5-PE

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DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 ZN UNPERF 2000MM - 1206434

<https://www.phoenixcontact.com/de/produkte/1206434>



DIN rail, unperforated, acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver, Pack of 25 (50 m)

DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 CU UNPERF 2000MM-VPE 10 - 0801762

<https://www.phoenixcontact.com/de/produkte/0801762>



DIN rail, unperforated, acc. to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored, Pack of 10 (20 m)

Protective conductor double-level terminal block - STTB 1,5-PE

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End cap

End cap - NS 35/ 7,5 CAP - 1206560

<https://www.phoenixcontact.com/de/produkte/1206560>

DIN rail end piece, for DIN rail NS 35/7.5



Insulating sleeve

Insulating sleeve - ISH 1,5/0,2 - 3206131

<https://www.phoenixcontact.com/de/produkte/3206131>

Insulating sleeve, color: white



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Insulating sleeve

Insulating sleeve - ISH 1,5/0,5 - 3031034

<https://www.phoenixcontact.com/de/produkte/3031034>



Insulating sleeve, color: gray

Test plugs

Test plugs - PS-4 - 3030970

<https://www.phoenixcontact.com/de/produkte/3030970>



Test plugs, Modular test plug, color: red

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Spacer plate

Spacer plate - DP PS-4 - 3036712

<https://www.phoenixcontact.com/de/produkte/3036712>



Spacer plate, length: 22.4 mm, width: 4.2 mm, height: 29 mm, number of positions: 1, color: red

Test adapter

Test adapter - PAI-4 - 3030925

<https://www.phoenixcontact.com/de/produkte/3030925>



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 4.2 mm pitch, color: gray

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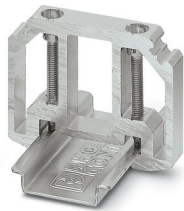
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End clamp

End clamp - E/AL-NS 35 - 1201662

<https://www.phoenixcontact.com/de/produkte/1201662>



End clamp, for end support of UKH 50 to UKH 240, is pushed onto DIN rail NS 35 and fixed with 2 screws, width: 10 mm, color: aluminum

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PHOENIX CONTACT Deutschland GmbH
Flachsmarktstraße 8
D-32825 Blomberg
+49 52 35/3-1 20 00
info@phoenixcontact.de