

Ground modular terminal block - ST 10-PE



3036136
<https://www.phoenixcontact.com/de/produkte/3036136>

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Ground modular terminal block, number of connections: 2, number of positions: 1, connection method: Spring-cage connection, 1 level, Rated cross section: 10 mm², cross section: 0.2 mm² - 16 mm², mounting type: NS 35/7,5, NS 35/15, color: green-yellow

Your advantages

- Tested for railway applications

Commercial Data

Item number	3036136
Packing unit	50 pc
Minimum order quantity	1 pc
Sales Key	A1 - Reihenklemmen
Product Key	BE2121
Catalog Page	Page 243 (C-1-2019)
GTIN	4017918819095
Weight per Piece (including packing)	33,874 g
Weight per Piece (excluding packing)	33,874 g
Customs tariff number	85369010
Country of origin	PL

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Technical Data

Product properties

Product type	Ground terminal block
Number of positions	1
Area of application	Railway industry
	Machine building
	Plant engineering
	Process industry
Number of connections	2
Number of rows	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.82 W

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	10 mm ²

1 level

Note	Please observe the current carrying capacity of the DIN rails.
Stripping length	18 mm
Internal cylindrical gage	A6
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section solid	0.2 mm ² ... 16 mm ²
Cross section AWG	24 ... 6 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm ² ... 10 mm ²
Conductor cross section, flexible [AWG]	24 ... 8 (converted acc. to IEC)
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.25 mm ² ... 10 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm ² ... 10 mm ²
Nominal cross section	10 mm ²

Ex data

Rated data (ATEX/IECEx)

Identification	□ II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
	3036644 D-ST 10

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Ex-certified accessories	1206612 SZF 3-1,0X5,5
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
output	(Permanent)

Ex connection data General

Nominal cross section	10 mm ²
Rated cross section AWG	8
Connection capacity rigid	1.5 mm ² ... 16 mm ²
Connection capacity AWG	16 ... 6
Connection capacity flexible	1.5 mm ² ... 10 mm ²
Connection capacity AWG	16 ... 8

Dimensions

Width	10.2 mm
End cover width	2.2 mm
Height NS 35/15	57.8 mm
Height NS 35/7,5	50.3 mm
Length	71.5 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):2018-05
Spectrum	Service life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	$6.12 \text{ (m/s}^2\text{)}^2\text{/Hz}$
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):2018-05
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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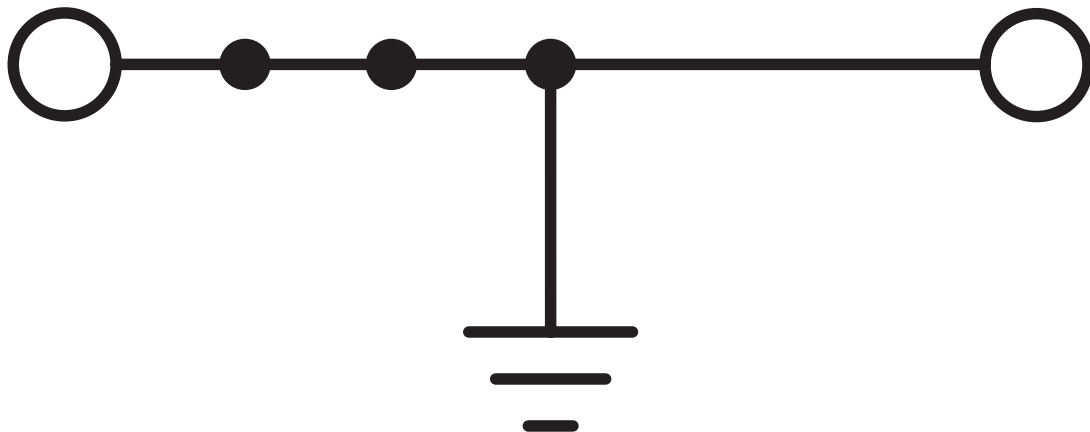


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Drawings

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
Use group B			16 - 6	-
Use group C			16 - 6	-
Use group D			16 - 6	-

 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				
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 NK Approval ID: 09 ME 140				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-

 RS Approval ID: 22.44.01.00083.250				
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 BV Approval ID: 13403/D0 BV				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-

 VDE Zeichengenehmigung				
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Approval ID: 40010331

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
		57 A	-	1.5 - 10



cULus Recognized

Approval ID: E60425

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B			16 - 6	-
Use group C			16 - 6	-

DNV

Approval ID: TAE00001CS

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-



ATEX

Approval ID: KEMA01ATEX2260U



EAC Ex

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



IECEx

Approval ID: IECEx KEM 06.0033U



CCC

Approval ID: 2020322313000621



NEPSI

Approval ID: GYJ20.1193U



UKCA-EX

Approval ID: DEKRA 21UKEX0303U

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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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