

3036165
<https://www.phoenixcontact.com/pc/products/3036165>

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Spring cage ground terminal block, number of connections: 2, connection method: Spring-cage connection, 1 level, Rated cross section: 16 mm², cross section: 0.2 mm² - 25 mm², mounting type: NS 35/7,5, NS 35/15, color: green-yellow

Commercial data

Item number	3036165
Packing unit	25 pc
Minimum order quantity	1 pc
Product key	BE2121
Catalog page	Page 247 (C-1-2019)
GTIN	4017918821098
Weight per piece (including packing)	50.128 g
Weight per piece (excluding packing)	50.128 g
Customs tariff number	85369010
Country of origin	PL

ST 16-PE - Spring cage ground terminal block



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Technical data

Product properties

Product type	Ground terminal block
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	2.43 W

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	16 mm ²

1 level

Note	Please observe the current carrying capacity of the DIN rails.
Stripping length	18 mm
Internal cylindrical gage	A7
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section rigid	0.2 mm ² ... 25 mm ²
Cross section AWG	24 ... 4 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm ² ... 16 mm ²
Conductor cross section, flexible [AWG]	24 ... 6 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 16 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm ² ... 16 mm ²
Nominal cross section	16 mm ²

Ex data

Rated data (ATEX/IECEx)

Identification	Ex II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	3036657 D-ST 16
	1206612 SZF 3-1,0X5,5
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
output	(Permanent)

Ex connection data General

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Nominal cross section	16 mm ²
Rated cross section AWG	6
Connection capacity rigid	1.5 mm ² ... 25 mm ²
Connection capacity AWG	16 ... 4
Connection capacity flexible	1.5 mm ² ... 16 mm ²
Connection capacity AWG	16 ... 6

Dimensions

Width	12.2 mm
End cover width	2.2 mm
Height	80 mm
Depth on NS 35/7,5	51.5 mm
Depth on NS 35/15	59 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
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
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

Specification	DIN EN 50155 (VDE 0115-200):2018-05
Spectrum	Service life test category 1, class B, body mounted
Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz
ASD level	0.964 (m/s ²) ² /Hz
Acceleration	0.58g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

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Shocks

Specification	DIN EN 50155 (VDE 0115-200):2018-05
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 ... 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 60947-7-2
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Mounting

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

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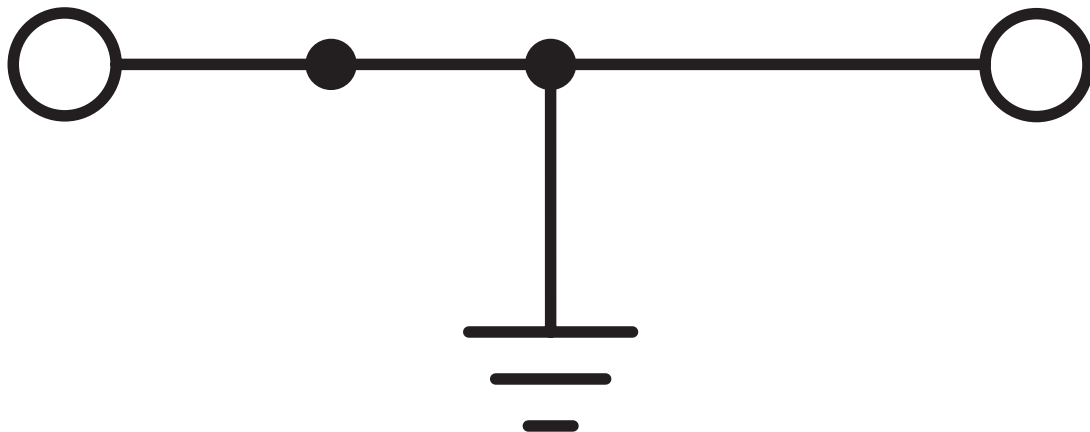


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Drawings

Circuit diagram



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Approvals

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 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	-	-	16 - 4	-
Use group C	-	-	16 - 4	-
Use group D	-	-	16 - 4	-

 IECEE CB Scheme Approval ID: DE1-62971_M1

 LR Approval ID: LR2014888TA

 KR Approval ID: HMB17372-EL002
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 NK Approval ID: 09 ME 140

 BV Approval ID: 13403/D0 BV

 VDE Zeichengenehmigung Approval ID: 40010331				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	-	76 A	-	1.5 - 16

 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	-	-	16 - 4	-
Use group C	-	-	-	-

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	-	-	16 - 4	-
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DNV
Approval ID: TAE00001CS



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



UKCA-EX
Approval ID: DEKRA 21UKEX0303U

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Classifications

ECLASS

ECLASS-11.0	27141141
ECLASS-13.0	27250103

ETIM

ETIM 9.0	EC000901
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UNSPSC

UNSPSC 21.0	39121400
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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%
EF3.0 Climate Change	
CO2e kg	0.387 kg CO2e