

UT 35-PE - Protective conductor terminal block



3044241

<https://www.phoenixcontact.com/us/products/3044241>

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 terminal block, number of connections: 2, connection method: Screw connection, Rated cross section: 35 mm², cross section: 1.5 mm² - 35 mm², mounting type: NS 35/7,5, NS 35/15, color: green-yellow

Your advantages

- Globally recognized: Internationally proven screw connection
- Maintenance-free and vibration-resistant thanks to the patented Reakdyn principle
- Meet the requirements of DIN EN 60947-7-2 or IEC 60947-7-2 for protective conductor connections
- High level of safety thanks to the low-resistance connection to the ground potential via the top-hat rail
- Direct contacting with the DIN rail enables fast, error-free grounding without additional wiring effort.
- Full flexibility thanks to the standardized CLIPLINE complete bridging, marking, and testing accessories

Commercial data

Item number	3044241
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE01
Product key	BE1121
GTIN	4017918977580
Weight per piece (including packing)	87.686 g
Weight per piece (excluding packing)	85.79 g
Customs tariff number	85369010
Country of origin	TR

UT 35-PE - Protective conductor terminal block



3044241

<https://www.phoenixcontact.com/us/products/3044241>

Technical data

Product properties

Product type	Ground terminal block
Product family	UT
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	4.06 W

Connection data

Number of connections per level	2
Nominal cross section	35 mm ²
Connection method	Screw connection
Screw thread	M6
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	3.2 ... 3.7 Nm
Stripping length	18 mm
Internal cylindrical gage	B9
Connection in acc. with standard	IEC 60947-7-2
Conductor cross-section rigid	1.5 mm ² ... 35 mm ²
Cross section AWG	14 ... 2 (converted acc. to IEC)
Conductor cross-section flexible	1.5 mm ² ... 35 mm ²
Conductor cross-section, flexible [AWG]	14 ... 2 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	1.5 mm ² ... 35 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	1.5 mm ² ... 35 mm ²
Note	Note: Product releases, connection cross sections and notes on connecting aluminum cables can be found in the download area.
Nominal cross section	35 mm ²

Ex data

Rated data (ATEX/IECEx)

Identification	Ex II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C

UT 35-PE - Protective conductor terminal block



3044241

<https://www.phoenixcontact.com/us/products/3044241>

Ex-certified accessories	1205079 SZS 1,0X6,5 VDE
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
output	(Permanent)

Ex connection data General

Torque range	3.2 Nm ... 3.7 Nm
Nominal cross section	35 mm ²
Rated cross section AWG	2
Connection capacity rigid	1.5 mm ² ... 35 mm ²
Connection capacity AWG	16 ... 2
Connection capacity flexible	1.5 mm ² ... 35 mm ²
Connection capacity AWG	16 ... 2

Dimensions

Width	16 mm
End cover width	2.2 mm
Height	61.2 mm
Depth	65.1 mm
Depth on NS 35/7,5	65.7 mm
Depth on NS 35/15	73.2 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))	130 °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)	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	No
-----------------	----

Environmental and real-life conditions

UT 35-PE - Protective conductor terminal block



3044241

<https://www.phoenixcontact.com/us/products/3044241>

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2018-05
Spectrum	Long 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):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 ... 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
----------------------------------	---------------

Mounting

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

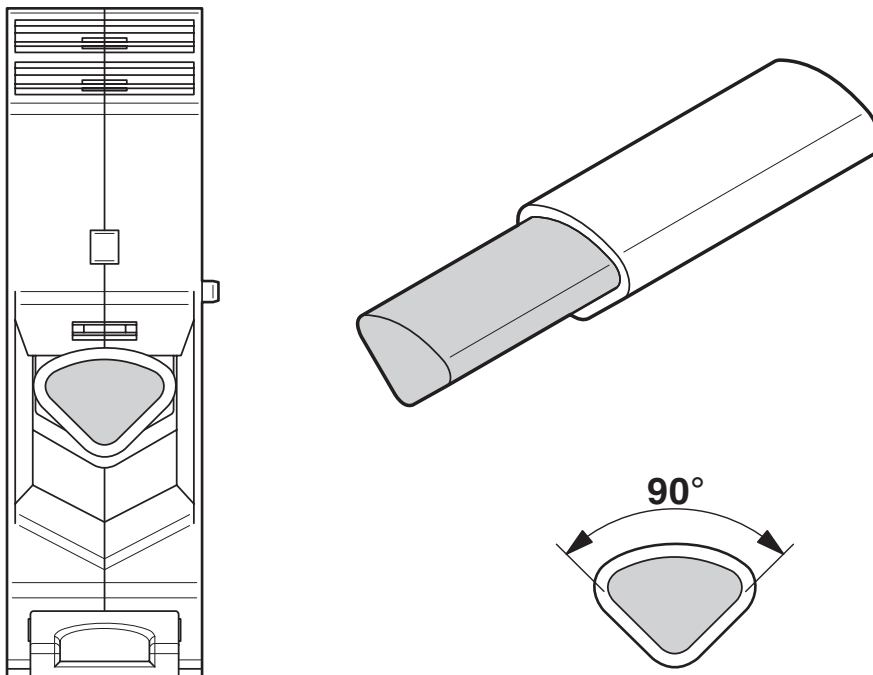
UT 35-PE - Protective conductor terminal block

3044241

<https://www.phoenixcontact.com/us/products/3044241>

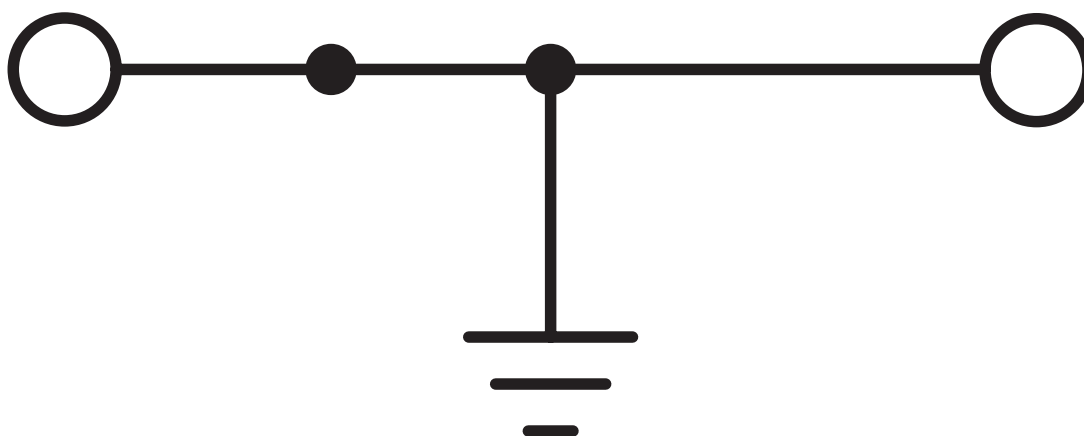
Drawings

Schematic diagram



Connecting aluminum cables. Further notes can be found in the download area

Circuit diagram



UT 35-PE - Protective conductor terminal block



3044241

<https://www.phoenixcontact.com/us/products/3044241>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3044241>

DNV

Approval ID: TAE00001S9



CSA

Approval ID: 13631



IECEE CB Scheme

Approval ID: DE1-63048



cULus Recognized

Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B	-	-	14 - 2	-
C	-	-	14 - 2	-
E	-	-	14 - 2	-



VDE approval of drawings

Approval ID: 40020167

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine	-	125 A	-	1.5 - 35



CSA

Approval ID: 13631



ATEX

Approval ID: KEMA04ATEX2048U



cUL Recognized

Approval ID: E192998

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine	-	-	14 - 2	-

UT 35-PE - Protective conductor terminal block



3044241

<https://www.phoenixcontact.com/us/products/3044241>

 **IECEx**
Approval ID: IECEx KEM 06.0027U

	UL Recognized Approval ID: E192998			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	-	-	14 - 2	-

 **CCC**
Approval ID: 2020322313000622

 **UKCA-EX**
Approval ID: DEKRA 21UKEX0304U

 **EAC Ex**
Approval ID: KZ 7500525010101950

UT 35-PE - Protective conductor terminal block



3044241

<https://www.phoenixcontact.com/us/products/3044241>

Classifications

ECLASS

ECLASS-13.0	27250103
ECLASS-15.0	27250103

ETIM

ETIM 9.0	EC000901
----------	----------

UNSPSC

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

UT 35-PE - Protective conductor terminal block



3044241
<https://www.phoenixcontact.com/us/products/3044241>

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