UT 4-PE/L/TG - Multi-level terminal block

3214365

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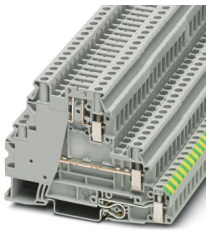


Multi-level terminal block, Current and voltage are determined by the plug used., nom. voltage: 500 V, nominal current: 28 A, connection method: Screw connection, Rated cross section: 4 mm^2, cross section: 0.14 mm^2 - 6 mm^2, connection method: Screw connection, Rated cross section: 2.5 mm^2, cross section: 0.14 mm^2 - 6 mm^2, mounting: NS 35/7,5, NS 35/15, color: gray

Your advantages

- Globally recognized: Internationally proven screw connection
- Maintenance-free and vibration-resistant thanks to the patented Reakdyn principle
- Space savings and flexibility with the connection of two identical conductors
- Long-term stable connections with the use of high-quality materials
- Low self-heating due to high contact forces
- Full flexibility thanks to the standardized CLIPLINE complete bridging, marking, and testing accessories
- Individual and easy assembly with isolating plug, fuse plug, component connector, and feed-through connector
- Meet the requirements of DIN EN 60947-7-2 or IEC 60947-7-2 for protective conductor connections

Commercial data

Item number	3214365
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE1132
Product key	BE1132
GTIN	4046356895712
Weight per piece (including packing)	31.614 g
Weight per piece (excluding packing)	31.614 g
Customs tariff number	85369010
Country of origin	PL

Technical data

Product properties

Product type	Ground terminal block
Product family	UT
Number of connections	5
Number of rows	3
Potentials	3

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	1.02 W

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	4 mm²

Level 1 above 1 below 1

Connection method	Screw connection
Screw thread	M3
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	0.6 ... 0.8 Nm
Stripping length	9 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 60947-7-1/IEC 60947-7-2
Conductor cross-section rigid	0.14 mm² ... 6 mm²
Cross section AWG	26 ... 10 (converted acc. to IEC)
Conductor cross-section flexible	0.14 mm² ... 6 mm²
Conductor cross-section, flexible [AWG]	26 ... 10 (converted acc. to IEC)
Conductor cross-section flexible ultrasound-compressed	0.34 mm² ... 6 mm²
Conductor cross-section, flexible [AWG] ultrasound-compressed	22 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² ... 4 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.14 mm² ... 4 mm²
Nominal cross section	4 mm²
Nominal current	28 A
Maximum load current	36 A (with 6 mm² conductor cross-section)
Nominal voltage	500 V

Level 2

Connection method	Screw connection

Screw thread	M3
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.14 mm² ... 6 mm²
Cross section AWG	26 ... 10 (converted acc. to IEC)
Conductor cross-section flexible	0.14 mm² ... 6 mm²
Conductor cross-section, flexible [AWG]	26 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² ... 4 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.14 mm² ... 4 mm²
Nominal cross section	2.5 mm²
Nominal current	20 A (with 4 mm² conductor cross-section)
Maximum load current	20 A (with 6 mm² conductor connection)
Nominal voltage	500 V

Ex data

Rated data (ATEX/IECEx)

Identification	Ⓔx II 3 G Ex ec IIC Gc
Operating temperature range	-60 °C ... 130 °C
Ex-certified accessories	3047183 ATP-UT-TWIN
	1205053 SZS 0,6X3,5
	3036783 P-DI
	3036807 P-FU 5X20-EX
	3036836 P-FU 5X20 LA 250-EX
	3036823 P-FU 5X20 LED 60-EX
	3036821 P-FU 5X20 LED 24-EX
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
Rated insulation voltage	500 V
output	(Permanent)

Ex level General

Rated voltage	550 V

Ex connection data General

Torque range	0.6 Nm ... 0.8 Nm
Nominal cross section	4 mm²
Rated cross section AWG	12
Connection capacity rigid	0.14 mm² ... 6 mm²
Connection capacity AWG	26 ... 10
Connection capacity flexible	0.14 mm² ... 6 mm²
Connection capacity AWG	26 ... 10
2 conductors with same cross section, solid	0.14 mm² ... 1.5 mm²
2 conductors with the same cross-section AWG rigid	26 ... 16
2 conductors with same cross section, stranded	0.14 mm² ... 1.5 mm²
2 conductors with the same cross-section AWG flexible	26 ... 16

Conductor cross-section flexible, with ferrule without plastic sleeve min.	0.14 mm²
Conductor cross-section flexible, with ferrule without plastic sleeve max.	4 mm²
Single conductor/terminal point, flexible, with ferrule, without plastic sleeve, AWG	26 ... 12
output	(Permanent)

Ex level Level 2

Rated current	20 A (4 mm²)
Maximum load current	20 A (6 mm²)
Contact resistance	0.6 mΩ
Temperature increase	40 K (20 A/4 mm²)
output	(Permanent)

Ex level Level 3

Rated current	16 A (4 mm²)
Maximum load current	16 A (6 mm²)
Contact resistance	1.9 mΩ
Temperature increase	40 K (16 A / 4 mm²)

Dimensions

Width	6.2 mm
Height	92.7 mm
Depth	60.1 mm
Depth on NS 35/7,5	61.7 mm
Depth on NS 35/15	69.2 mm

Material specifications

Color	gray (RAL 7042)
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

Mechanical properties

Mechanical data

Open side panel	No

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 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

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

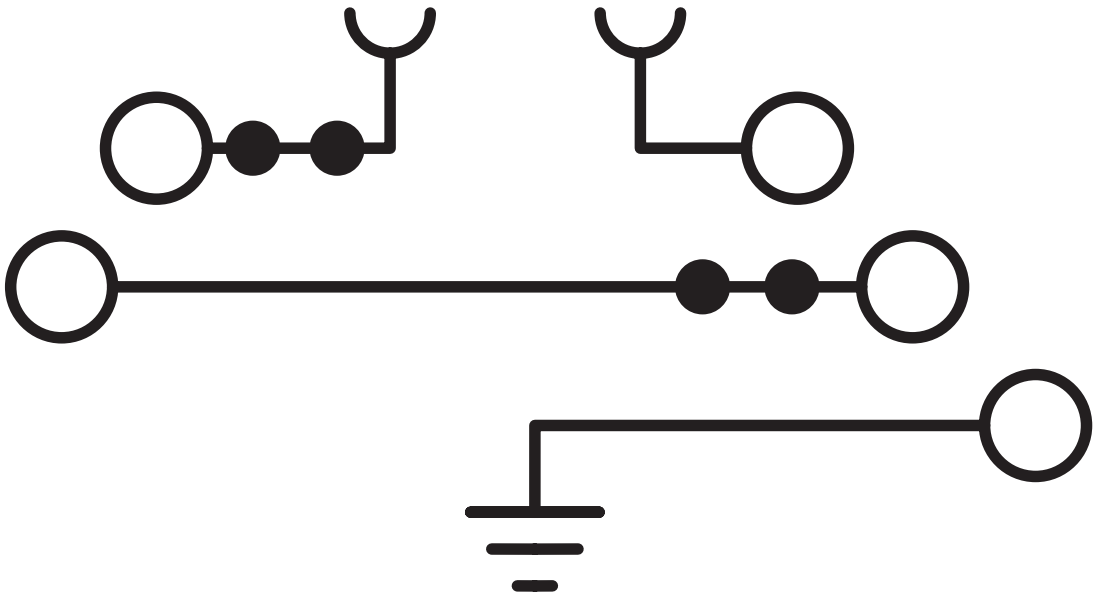
Connection in acc. with standard	IEC 60947-7-1/IEC 60947-7-2
	IEC 60947-7-1

Mounting

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

Drawings

Circuit diagram



Approvals

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cULus Recognized
Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
upper level	300 V	16 A	26 - 10	-
lower level	300 V	20 A	26 - 10	-
PE connection	-	-	26 - 10	-
C				
upper level	300 V	16 A	26 - 10	-
lower level	300 V	20 A	26 - 10	-
PE connection	-	-	26 - 10	-
D				
PE connection	-	-	26 - 10	-

cUL Recognized
Approval ID: E192998

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
PE connection	-	-	26 - 10	26 - 10
middle level	300 V	20 A	26 - 10	26 - 10
with P-FU male connector	300 V	16 A	26 - 10	26 - 10

IECEx
Approval ID: IECExKIWA14.0014U

UL Recognized
Approval ID: E192998

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
PE connection	-	-	26 - 10	-
middle level	300 V	20 A	26 - 10	-
with P-FU male connector	300 V	16 A	26 - 10	-

CCC
Approval ID: 2020322313000632

ATEX
Approval ID: KIWA14ATEX0025U

UKCA-EX
Approval ID: CSAE 21UKEX3606U

EAC Ex
Approval ID: KZ 7500525010101950

Classifications

ECLASS

ECLASS-13.0	27250108
ECLASS-15.0	27250108

ETIM

ETIM 10.0	EC000902

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

EF3.1 Climate Change

CO2e kg	0.065 kg CO2e

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