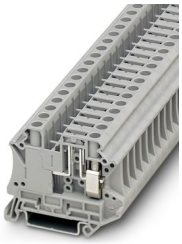
UT 6-TG-EX - Disconnect terminal block

3046486

https://www.phoenixcontact.com/us/products/3046486

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Disconnect terminal block, Current and voltage are determined by the plug used., nom. voltage: 500 V, nominal current: 20 A, connection method: Screw connection, Rated cross section: 2.5 mm^2, cross section: 0.2 mm^2 - 10 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

Commercial data

Item number	3046486
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE01
Product key	BE1132
GTIN	4046356919197
Weight per piece (including packing)	18.31 g
Weight per piece (excluding packing)	18.31 g
Customs tariff number	85369010
Country of origin	PL

Technical data

Notes

General	Current and voltage are determined by the plug used.

Product properties

Product type	Disconnect terminal block
Product family	UT
Area of application	Machine building
	Plant engineering
Number of connections	2
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	1.31 W

Connection data

Number of connections per level	2
Nominal cross section	6 mm²

Level 1 above 1 below 1

Connection method	Screw connection
Screw thread	M4
Tightening torque	1.5 ... 1.8 Nm
Stripping length	10 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.2 mm² ... 10 mm²
Cross section AWG	24 ... 8 (converted acc. to IEC)
Conductor cross-section flexible	0.2 mm² ... 10 mm²
Conductor cross-section, flexible [AWG]	24 ... 8 (converted acc. to IEC)
Conductor cross-section flexible ultrasound-compressed	0.34 mm² ... 10 mm²
Conductor cross-section, flexible [AWG] ultrasound-compressed	22 ... 8 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm² ... 6 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm² ... 6 mm²
2 conductors with same cross section, rigid	0.2 mm² ... 2.5 mm²
2 conductors with same cross section, flexible	0.2 mm² ... 2.5 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm² ... 1.5 mm²

2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² ... 4 mm²
Nominal cross section	2.5 mm²
Nominal current	20 A
Maximum load current	20 A (with 10 mm² conductor cross-section)
Nominal voltage	500 V

Ex data

Rated data (ATEX/IECEx)

Identification	Ⓔx II 3 G Ex ec IIC Gc
Operating temperature range	-50 °C ... 130 °C
Ex-certified accessories	3047183 ATP-UT-TWIN
	3046499 P-FU 6,3X32-EX
	3046509 P-FU 6,3X32 LED 24-EX
	3046512 P-FU 6,3X32 LED 60-EX
	3046525 P-FU 6,3X32 LA 250-EX
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
	1205066 SZS 1,0X4,0 VDE
List of bridges	Plug-in bridge / FBS 2-8 / 3030284
	Plug-in bridge / FBS 3-8 / 3030297
	Plug-in bridge / FBS 4-8 / 3030307
	Plug-in bridge / FBS 5-8 / 3030310
	Plug-in bridge / FBS 10-8 / 3030323
Bridge data	6.3 A / 6 mm²
output	(Permanent)

Ex level General

Rated voltage	250 V
Rated current	6.3 A
Maximum load current	6.3 A

Ex connection data General

Torque range	1.5 Nm ... 1.8 Nm
Nominal cross section	6 mm²
Rated cross section AWG	8
Connection capacity rigid	0.2 mm² ... 10 mm²
Connection capacity AWG	24 ... 8
Connection capacity flexible	0.2 mm² ... 10 mm²
Connection capacity AWG	24 ... 8
2 conductors with same cross section, solid	0.2 mm² ... 2.5 mm²
2 conductors with the same cross-section AWG rigid	24 ... 12
2 conductors with same cross section, stranded	0.2 mm² ... 2.5 mm²
2 conductors with the same cross-section AWG flexible	24 ... 12
Conductor cross-section flexible, with ferrule without plastic	0.2 mm²

sleeve min.	
Conductor cross-section flexible, with ferrule without plastic sleeve max.	6 mm²
Single conductor/terminal point, flexible, with ferrule, without plastic sleeve, AWG	24 ... 12

Dimensions

Width	8.2 mm
Height	57.8 mm
Depth on NS 35/7,5	47.5 mm
Depth on NS 35/15	55 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
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

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

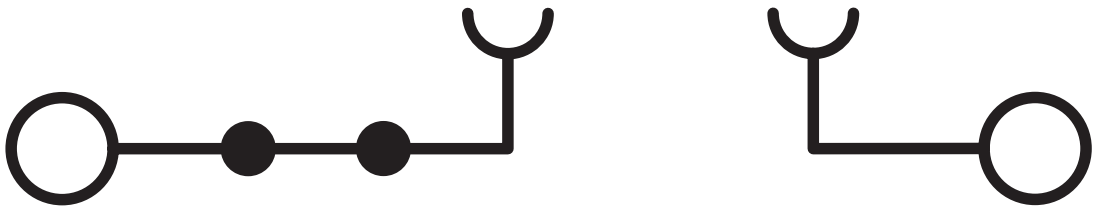
Connection in acc. with standard	IEC 60947-7-1

Mounting

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

Drawings

Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/3046486

cUL Recognized
Approval ID: E192998

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	250 V	6.3 A	24 - 8	24 - 8

UL Recognized
Approval ID: E192998

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	250 V	6.3 A	24 - 8	-

CCC
Approval ID: 2020322313000632

UKCA-EX
Approval ID: UL22UKEX2452U

EAC Ex
Approval ID: KZ 7500525010101950

IECEx
Approval ID: IECExUL13.0007U

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	250 V	6.3 A	-	0.2 - 10

ATEX
Approval ID: DEMKO14ATEX1353U

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	250 V	6.3 A	-	0.2 - 10

CSA
Approval ID: 2725780

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2

B				
	250 V	6.3 A	24 - 8	-
C				
	250 V	6.3 A	24 - 8	-

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.)	Lead(CAS: 7439-92-1)
SCIP	ba7e779b-058b-4028-b368-0798822133c3

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