UT 1,5 - Feed-through terminal block

1452265

https://www.phoenixcontact.com/gb/products/1452265

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.





Feed-through terminal block, nom. voltage: 1000 V, nominal current: 17.5 A, number of connections: 2, connection method: Screw connection, Rated cross section: 1.5 mm^2, cross section: 0.14 mm^2 - 1.5 mm^2, mounting type: 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
- Vibration-resistant and maintenance-free conductor connection

Commercial data

Item number	1452265
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE1111
Product key	BE1111
GTIN	4063151840648
Weight per piece (including packing)	5.76 g
Weight per piece (excluding packing)	5.705 g
Customs tariff number	85369010
Country of origin	IN

Technical data

Product properties

Product type	Feed-through terminal block
Product family	UT
Area of application	Railway industry
	Machine building
	Plant engineering
	Process industry
Number of connections	2
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	0.56 W

Connection data

Number of connections per level	2
Nominal cross section	1.5 mm²
Rated cross section AWG	16
Connection method	Screw connection
Screw thread	M2
Tightening torque	0.22 ... 0.25 Nm
Stripping length	7 mm ... 8 mm
Internal cylindrical gage	A1
	B1
Conductor cross-section rigid	0.14 mm² ... 1.5 mm²
Cross section AWG	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible	0.14 mm² ... 1.5 mm²
Conductor cross-section, flexible [AWG]	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² ... 1 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.14 mm² ... 0.75 mm²
2 conductors with same cross section, rigid	0.14 mm² ... 0.75 mm²
2 conductors with same cross section, flexible	0.14 mm² ... 0.75 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.14 mm² ... 0.34 mm²
Nominal cross section	1.5 mm²
Nominal current	17.5 A
Maximum load current	17.5 A (with 1.5 mm² conductor cross-section)

Nominal voltage	1000 V

Ex data

Rated data (ATEX/IECEx)

Identification	Ⓔx II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	3047028 D-UT 2,5/10
	3022276 CLIPFIX 35-5
	1204504 SZF 0-0,4X2,5
List of bridges	Plug-in bridge / FBS 2-4 / 3030116
	Plug-in bridge / FBS 3-4 / 3030129
	Plug-in bridge / FBS 4-4 / 3030132
	Plug-in bridge / FBS 5-4 / 3030145
	Plug-in bridge / FBS 10-4 / 3030158
	Plug-in bridge / FBS 20-4 / 3030352
Bridge data	16.5 A (1.5 mm²)
Ex temperature increase	40 K (18,3 A / 1,5 mm²)
for bridging with bridge	690 V
- At bridging between non-adjacent terminal blocks	352 V
- At bridging between non-adjacent terminal blocks via PE terminal block	352 V
- At cut-to-length bridging	275 V
- At cut-to-length bridging with cover	275 V
Rated insulation voltage	630 V
output	(Permanent)

Ex level General

Rated voltage	690 V
Rated current	16.5 A (1.5 mm²)
Maximum load current	16.5 A (1.5 mm²)
Contact resistance	1.83 mΩ

Ex connection data General

Torque range	0.22 Nm ... 0.25 Nm
Nominal cross section	1.5 mm²
Rated cross section AWG	16
Connection capacity rigid	0.14 mm² ... 1.5 mm²
Connection capacity AWG	26 ... 16
Connection capacity flexible	0.14 mm² ... 1.5 mm²
Connection capacity AWG	26 ... 16
2 conductors with same cross section, solid	0.14 mm² ... 0.75 mm²
2 conductors with the same cross-section AWG rigid	26 ... 18
2 conductors with same cross section, stranded	0.14 mm² ... 0.75 mm²
2 conductors with the same cross-section AWG flexible	26 ... 18

Dimensions

Width	4.15 mm
Height	48 mm
Depth	46.9 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
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

Environmental and real-life conditions

Needle-flame test

Time of exposure	30 s

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2022-06
Spectrum	Long life test category 2, bogie-mounted
Frequency	f_1 = 5 Hz to f_2 = 250 Hz
ASD level	6.12 (m/s²)²/Hz
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2022-06
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.)

Ambient conditions

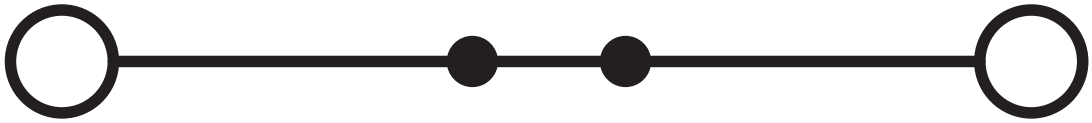
Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

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/gb/products/1452265

cCSAus
Approval ID: 13631

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	600 V	15 A	30 - 14	-
C				
	600 V	15 A	30 - 14	-
F				
	1000 V	15 A	30 - 14	-
D				
	600 V	5 A	30 - 14	-

cULus Recognized
Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	600 V	15 A	30 - 14	-
C				
	600 V	15 A	30 - 14	-
F				
	1000 V	15 A	30 - 14	-
D				
	600 V	5 A	30 - 14	-

DNV
Approval ID: TAE00001S9

ATEX
Approval ID: KEMA04ATEX2048U

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Only flexible conductors	690 V	16.5 A	-	0.14 - 1.5
Only rigid conductors	690 V	16.5 A	-	0.14 - 1.5

IECEx
Approval ID: IECEx KEM 06.0027U

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Only flexible conductors	690 V	16.5 A	-	0.14 - 1.5
Only rigid conductors	690 V	16.5 A	-	0.14 - 1.5

CCC
Approval ID: 2020322313000622

UL Comp Hazloc CA US
Approval ID: E192998

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	600 V	15 A	26 - 16	-
C				
	600 V	15 A	26 - 16	-

Classifications

ECLASS

ECLASS-13.0	27250101
ECLASS-15.0	27250101

ETIM

ETIM 10.0	EC000897

UNSPSC

UNSPSC 21.0	39121400

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 2026 © - all rights reserved
https://www.phoenixcontact.com

PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk