

Feed-through terminal block - UT 4-FE



3047617

<https://www.phoenixcontact.com/gb/products/3047617>

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Feed-through terminal block, nom. voltage: 1000 V, nominal current: 41 A, connection method: Screw connection, cross section: 0.14 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: black/yellow

Commercial Data

Item number	3047617
Packing unit	50 pc
Minimum order quantity	50 pc
Sales Key	BE1111
Product Key	BE1111
GTIN	4046356113083
Weight per Piece (including packing)	9.51 g
Weight per Piece (excluding packing)	8.95 g
Customs tariff number	85369010
Country of origin	DE

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Technical Data

Product properties

Product type	Feed-through terminal block
Number of positions	1
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	1.02 W

Connection data

Number of connections per level	2
Nominal cross section	4 mm ²
Rated cross section AWG	10

Level 1 above 1 below 1

Screw thread	M3
Tightening torque	0.6 ... 0.8 Nm
Stripping length	9 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid	0.14 mm ² ... 6 mm ²
Cross section AWG	26 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm ² ... 6 mm ²
Conductor cross section, flexible [AWG]	26 ... 10 (converted acc. to IEC)
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.14 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 4 mm ²
2 conductors with same cross section, solid	0.14 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible	0.14 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.14 mm ² ... 1.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 2.5 mm ²
Nominal current	41 A (with 4 mm ² conductor cross section)
Maximum load current	41 A (with 6 mm ² conductor cross section)
Nominal voltage	1000 V
Note	Note: Product releases, connection cross sections and notes on connecting aluminum cables can be found in the download area.

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Ex data

Rated data (ATEX/IECEX)

Identification	□ II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	3047028 D-UT 2,5/10
	3047167 ATP-UT
	1205053 SZS 0,6X3,5
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
List of bridges	Plug-in bridge / FBS 2-6 / 3030336
	Plug-in bridge / FBS 3-6 / 3030242
	Plug-in bridge / FBS 4-6 / 3030255
	Plug-in bridge / FBS 5-6 / 3030349
	Plug-in bridge / FBS 10-6 / 3030271
	Plug-in bridge / FBS 20-6 / 3030365
	Plug-in bridge / FBS 50-6 / 3032224
Bridge data	27 A / 4 mm ²
Ex temperature increase	40 K (33.3 A / 4 mm ²)
Rated voltage	690 V
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	275 V
- At cut-to-length bridging with cover	220 V
- At cut-to-length bridging with partition plate	275 V
Rated insulation voltage	630 V
output	(Permanent)

Ex level General

Rated current	30 A
Maximum load current	38 A
Contact resistance	0.26 mΩ

Ex connection data General

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

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2 conductors with the same cross-section AWG flexible	26 ... 16
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Dimensions

Width	6.2 mm
End cover width	2.2 mm
Height NS 35/15	55 mm
Height NS 35/7,5	47.5 mm
Length	46.9 mm

Material specifications

Color	black/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))	125 °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)	27,5 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	Yes
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature 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 (storage/transport)	30 % ... 70 %

Standards and regulations

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

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

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Approvals

DNV

Approval ID: TAE00001S9



CSA

Approval ID: 13631

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B				
	600 V	30 A	26 - 10	-
Use group C				
	600 V	30 A	26 - 10	-



IECEE CB Scheme

Approval ID: DE1-63061_M1

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	1000 V	32 A	-	0.2 - 4



EAC

Approval ID: RU C-DE.AI30.B.01102



cULus Recognized

Approval ID: E60425

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B				
Factory wiring	600 V	40 A	26 - 10	-
	600 V	30 A	26 - 10	-
Multi-conductor connection	600 V	30 A	26 - 14	-
Use group C				
Factory wiring	600 V	40 A	26 - 10	-
	600 V	30 A	26 - 10	-
Multi-conductor connection	600 V	30 A	26 - 14	-



RS

Approval ID: 22.44.01.00083.250



EAC

Approval ID: RU C-DE.BL08.B.00534

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**VDE Zeichengenehmigung**

Approval ID: 40013658

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	1000 V	32 A	-	0.2 - 4

**ATEX**

Approval ID: KEMA04ATEX2048U

**cUL Recognized**

Approval ID: E192998

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B	600 V	30 A	26 - 10	-
Use group C	600 V	30 A	26 - 10	-

**EAC Ex**

Approval ID: RU C-DE.HA91.B.00066

**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
Use group B	600 V	30 A	26 - 10	-
Use group C	600 V	30 A	26 - 10	-

**CCC**

Approval ID: 2020322313000622

**NEPSI**

Approval ID: GYJ20.1194U

cULus Recognized

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Classifications

ECLASS

ECLASS-9.0	27141120
ECLASS-10.0.1	27141120
ECLASS-11.0	27141120

ETIM

ETIM 8.0	EC000897
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UNSPSC

UNSPSC 21.0	39121400
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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