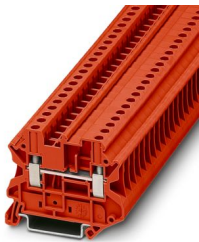


3047688

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Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, number of connections: 2, number of positions: 1, connection method: Screw connection, Rated cross section: 4 mm², cross section: 0.14 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: red

Commercial data

Item number	3047688
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE01
Product key	BE1111
GTIN	4046356145688
Weight per piece (including packing)	11.155 g
Weight per piece (excluding packing)	11.155 g
Customs tariff number	85369010
Country of origin	DE

UT 4-MTD RD - Feed-through terminal block



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Technical data

Product properties

Product type	Feed-through terminal block
Product family	UT
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
Connection method	Screw connection
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 rigid	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)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 4 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 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	32 A
Maximum load current	41 A (with 6 mm ² conductor cross-section)
Nominal voltage	800 V
Nominal cross section	4 mm ²

Ex data

UT 4-MTD RD - Feed-through terminal block



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Rated data (ATEX/IECEX)

Identification	Ex II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	3047141 D-UT 2,5/4-TWIN
	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
Bridge data	29 A (4 mm²)
Ex temperature increase	40 K (32 A / 4 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	275 V
via PE/S when bridging between non-adjacent terminal blocks	176 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 voltage	690 V
Rated current	29 A
Maximum load current	36 A
Contact resistance	0.32 mΩ

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 ... 4 mm²
Connection capacity AWG	26 ... 12
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

UT 4-MTD RD - Feed-through terminal block



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Dimensions

Width	6.2 mm
End cover width	2.2 mm
Height	57.8 mm
Depth on NS 35/7,5	47.5 mm
Depth on NS 35/15	55 mm

Material specifications

Color	red (RAL 3001)
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)	125 °C

Mechanical properties

Mechanical data

Open side panel	Yes
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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
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Mounting

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

UT 4-MTD RD - Feed-through terminal block

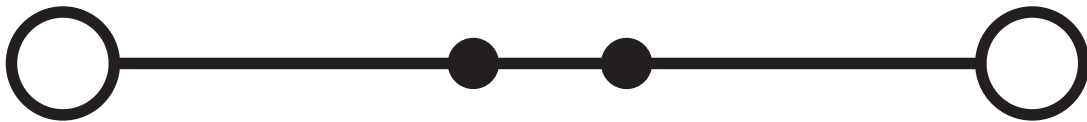
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Drawings

Circuit diagram



UT 4-MTD RD - Feed-through terminal block



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3047688>

DNV

Approval ID: TAE00001S9



IECEE CB Scheme

Approval ID: DE1-63061_M1

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	800 V	32 A	-	0.2 - 4



cULus Recognized

Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
Factory wiring	600 V	40 A	26 - 10	-
	600 V	30 A	26 - 10	-
Multi-conductor connection	600 V	30 A	26 - 14	-
C				
Factory wiring	600 V	40 A	26 - 10	-
	600 V	30 A	26 - 10	-
Multi-conductor connection	600 V	30 A	26 - 14	-



LR

Approval ID: LR24100022TA



VDE approval of drawings

Approval ID: 40013658

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	800 V	32 A	-	0.2 - 4



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	29 A	-	0.14 - 4

UT 4-MTD RD - Feed-through terminal block



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Only rigid conductors	690 V	36 A	-	0.14 - 6
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cUL Recognized Approval ID: E192998				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	600 V	30 A	26 - 10	-
C				
	600 V	30 A	26 - 10	-

EAC Ex Approval ID: KZ 7500525010101950				
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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	29 A	-	0.14 - 4
Only rigid conductors	690 V	36 A	-	0.14 - 6

UL Recognized Approval ID: E192998				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	600 V	30 A	26 - 10	-
C				
	600 V	30 A	26 - 10	-

CCC Approval ID: 2020322313000622				
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UKCA-EX Approval ID: DEKRA 21UKEX0304U				
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UT 4-MTD RD - Feed-through terminal block



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Classifications

ECLASS

ECLASS-13.0	27250101
ECLASS-15.0	27250101

ETIM

ETIM 9.0	EC000897
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UNSPSC

UNSPSC 21.0	39121400
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UT 4-MTD RD - Feed-through terminal block



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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	0d274902-f31e-4198-b0a5-55ff5333c6c2

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