

1277636

<https://www.phoenixcontact.com/gb/products/1277636>

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Knife-disconnect terminal block, connection method: Screw connection, Rated cross section: 2.5 mm², mounting: NS 35/7,5, NS 35/15, color: gray

Your advantages

- An extremely compact design
- Double bridge shaft enables individual potential distribution and supply

Commercial data

Item number	1277636
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE1131
Product key	BE1131
GTIN	4063151469481
Weight per piece (including packing)	10.58 g
Weight per piece (excluding packing)	10.58 g
Customs tariff number	85369010
Country of origin	CN

UT 2,5-MTS-EX - Knife-disconnect terminal block



1277636

<https://www.phoenixcontact.com/gb/products/1277636>

Technical data

Product properties

Product type	Disconnect terminal block
Area of application	Process industry
	Machine building
	Plant engineering
Number of connections	2
Number of rows	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	0.77 W

Connection data

Number of connections per level	2
Nominal cross section	2.5 mm ²

Level 1 above 1 below 1

Screw thread	M3
Stripping length	10 mm
Internal cylindrical gage	A3
Nominal cross section	2.5 mm ²

Ex data

Rated data (ATEX/IECEX)

Identification	Ex II 3 G Ex ec IIC Gc
Operating temperature range	-50 °C ... 125 °C
Operating cycles of the disconnect knife	100
Ex-certified accessories	3047141 D-UT 2,5/4-TWIN
	1205053 SZS 0,6X3,5
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
List of bridges	Plug-in bridge / FBS 2-5 / 3030161
	Plug-in bridge / FBS 3-5 / 3030174
	Plug-in bridge / FBS 4-5 / 3030187
	Plug-in bridge / FBS 5-5 / 3030190
	Plug-in bridge / FBS 10-5 / 3030213
	Plug-in bridge / FBS 20-5 / 3030226
Bridge data	17.5 A / 2.5 mm ²

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1277636

<https://www.phoenixcontact.com/gb/products/1277636>

output	(Permanent)
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Ex level General

Rated voltage	440 V
Rated current	18.5 A (2.5 mm ²)
Maximum load current	21.5 A (4 mm ²)
Contact resistance	0.27 mΩ

Ex connection data General

Torque range	0.5 Nm ... 0.6 Nm
Nominal cross section	2.5 mm ²
Rated cross section AWG	14
Connection capacity rigid	0.14 mm ² ... 4 mm ²
Connection capacity AWG	26 ... 12
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
2 conductors with the same cross-section AWG flexible	26 ... 16
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm ²
Single conductor/terminal point, flexible, with ferrule, without plastic sleeve, AWG	26 ... 14

Dimensions

Width	5.2 mm
Height	56.8 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
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

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1277636

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Smoke gas toxicity NFPA 130 (SMP 800C)
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passed

Mechanical properties

Mechanical data

Open side panel

Yes

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.)
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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)
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30 % ... 70 %

Mounting

Mounting type

NS 35/7,5

NS 35/15

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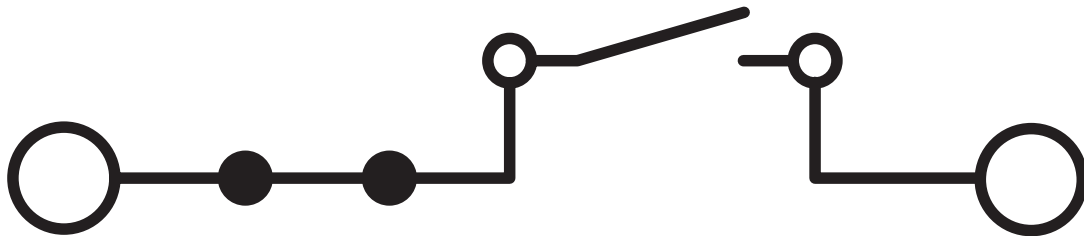


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Drawings

Circuit diagram



UT 2,5-MTS-EX - Knife-disconnect terminal block



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1277636>



cULus Recognized

Approval ID: E60425



CSA

Approval ID: 158887

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	300 V	16 A	26 - 12	-
Use group C				
	300 V	16 A	26 - 12	-
Use group D				
	300 V	10 A	26 - 12	-



cULus Recognized

Approval ID: E60425



IECEX

Approval ID: IECEXUL13.0007U

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	440 V	18.5 A	-	0.14 - 4



ATEX

Approval ID: DEMKO14ATEX1353U

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	440 V	18.5 A	-	0.14 - 4



UKCA-EX

Approval ID: UL22UKEX2452U



EAC Ex

Approval ID: KZ 7500525010101950

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Classifications

ECLASS

ECLASS-13.0	27250108
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ETIM

ETIM 9.0	EC000902
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UNSPSC

UNSPSC 21.0	39121400
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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	92d45b23-17a8-48a4-9dc4-5f0622052bab

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