

# UT 2,5-3L BK - Multi-level terminal block



1007631

<https://www.phoenixcontact.com/ie/products/1007631>

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.



Multi-level terminal block, nom. voltage: 500 V, nominal current: 19 A, connection method: Screw connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: black

## Your advantages

- Since function shafts are provided on each level, all potential distribution tasks can be implemented quickly
- For a clear overview, each terminal point supports large-surface labeling
- A very high wiring density is achieved with the compact three-level terminal blocks
- Tested for railway applications

## Commercial data

Item number	1007631
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	*****
Product key	BE1115
GTIN	4055626479460
Weight per piece (including packing)	25.44 g
Weight per piece (excluding packing)	23.9 g
Customs tariff number	85369010
Country of origin	PL

# UT 2,5-3L BK - Multi-level terminal block



1007631

<https://www.phoenixcontact.com/ie/products/1007631>

## Technical data

### Product properties

Product type	Multi-level terminal block
Number of positions	1
Number of connections	6
Number of rows	3
Potentials	3

### 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 <sup>2</sup>
Rated cross section AWG	12

### Level 1+2+3

Screw thread	M3
Tightening torque	0.5 ... 0.6 Nm
Stripping length	9 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Cross section AWG	26 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	26 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
2 conductors with same cross section, solid	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with same cross section, flexible	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Nominal current	19 A (with a 2.5 mm <sup>2</sup> conductor cross section)
Maximum load current	24 A (in case of a 4 mm <sup>2</sup> conductor cross section, the maximum load current must not be exceeded by the total current of all connected conductors.)
Nominal voltage	500 V

# UT 2,5-3L BK - Multi-level terminal block



1007631

<https://www.phoenixcontact.com/ie/products/1007631>

Note	Note: Product releases, connection cross sections and notes on connecting aluminum cables can be found in the download area.
Nominal cross section	2.5 mm <sup>2</sup>
Connection in acc. with standard	IEC/EN 60079-7
Conductor cross section rigid	0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Cross section AWG	26 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Maximum load current	28 A (with 4 mm <sup>2</sup> conductor cross section) 22 A (with a 2.5 mm <sup>2</sup> conductor cross section)
Nominal voltage	690 V
Nominal cross section	4 mm <sup>2</sup>

## Dimensions

Width	5.2 mm
End cover width	2.2 mm
Height	90 mm
Depth on NS 35/7,5	77.5 mm
Depth on NS 35/15	85 mm

## Material specifications

Color	black
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

### 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, no longer than 24 h, -60°C to +70°C)

# UT 2,5-3L BK - Multi-level terminal block



1007631

<https://www.phoenixcontact.com/ie/products/1007631>

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
	IEC/EN 60079-7

## Mounting

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

# UT 2,5-3L BK - Multi-level terminal block

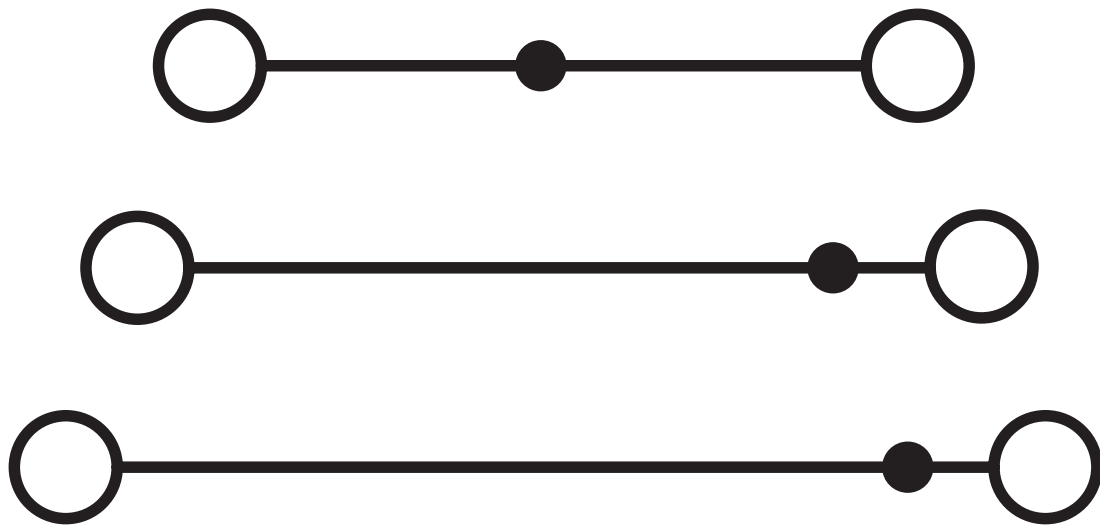


1007631

<https://www.phoenixcontact.com/ie/products/1007631>

## Drawings

Circuit diagram




# UT 2,5-3L BK - Multi-level terminal block



1007631

<https://www.phoenixcontact.com/ie/products/1007631>

## Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/ie/products/1007631>



**EAC**

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

# UT 2,5-3L BK - Multi-level terminal block



1007631

<https://www.phoenixcontact.com/ie/products/1007631>

## Classifications

### ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250102

### ETIM

ETIM 9.0	EC000897
----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

# UT 2,5-3L BK - Multi-level terminal block



1007631  
<https://www.phoenixcontact.com/ie/products/1007631>

## 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"

Phoenix Contact 2024 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact (Ireland) Ltd  
C6 The Exchange, Calmount Park, Ballymount  
Dublin 12, D12 XE18  
+353/1/2051-300  
[info@phoenixcontact.ie](mailto:info@phoenixcontact.ie)