

Ground modular terminal block - UT 2,5-PE BK



3044093

<https://www.phoenixcontact.com/de/produkte/3044093>

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.



Ground modular terminal block, with black printed head area, nom. voltage: 48 V, connection method: Screw connection, Rated cross section: 2.5 mm², cross section: 0.14 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: black

Your advantages

- Tested for railway applications

Commercial Data

Item number	3044093
Packing unit	50 pc
Minimum order quantity	50 pc
Sales Key	A1 - Reihenklemmen
Product Key	BE1121
GTIN	4055626156026
Weight per Piece (including packing)	11,796 g
Weight per Piece (excluding packing)	11,576 g
Customs tariff number	85369010
Country of origin	DE

Ground modular terminal block - UT 2,5-PE BK



3044093

<https://www.phoenixcontact.com/de/produkte/3044093>

Technical Data

Product properties

Product type	Shield connection clamp
Area of application	Railway industry
	Machine building
	Plant engineering
	Process industry
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	0.77 W

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	2.5 mm ²
Rated cross section AWG	12
Screw thread	M3
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	0.5 ... 0.6 Nm
Stripping length	9 mm
Internal cylindrical gage	A3
Conductor cross section solid	0.14 mm ² ... 4 mm ²
Cross section AWG	26 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm ² ... 4 mm ²
Conductor cross section, flexible [AWG]	26 ... 12 (converted acc. to IEC)
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.14 mm ² ... 2.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 2.5 mm ²
Nominal voltage	48 V
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 ²

Dimensions

Width	5.2 mm
End cover width	2.2 mm
Height NS 35/15	55 mm

Ground modular terminal block - UT 2,5-PE BK



3044093

<https://www.phoenixcontact.com/de/produkte/3044093>

Height NS 35/7,5	47.5 mm
Length	47.7 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 ... 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 %

Mounting

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

Ground modular terminal block - UT 2,5-PE BK

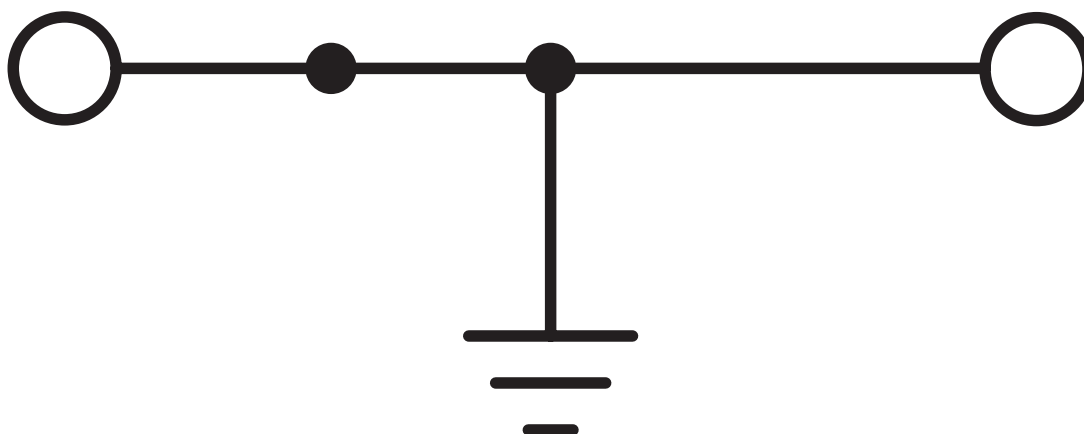


3044093

<https://www.phoenixcontact.com/de/produkte/3044093>

Drawings

Circuit diagram



Ground modular terminal block - UT 2,5-PE BK



3044093

<https://www.phoenixcontact.com/de/produkte/3044093>

Approvals

DNV

Approval ID: TAE00001S9



EAC

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



LR

Approval ID: LR2003762TA



RS

Approval ID: 22.44.01.00083.250

Ground modular terminal block - UT 2,5-PE BK



3044093

<https://www.phoenixcontact.com/de/produkte/3044093>

Classifications

ECLASS

ECLASS-9.0	27141141
ECLASS-10.0.1	27141141
ECLASS-11.0	27141141

ETIM

ETIM 8.0	EC000901
----------	----------

UNSPSC

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

Ground modular terminal block - UT 2,5-PE BK



3044093

<https://www.phoenixcontact.com/de/produkte/3044093>

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 2023 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT Deutschland GmbH

Flachsmarktstraße 8

D-32825 Blomberg

+49 52 35/3-1 20 00

info@phoenixcontact.de