

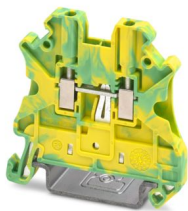
UT 1,5-PE - Ground terminal

1452318

<https://www.phoenixcontact.com/de/produkte/1452318>



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Ground terminal, number of connections: 2, connection method: Screw connection, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: green-yellow

Your advantages

- Tested for railway applications

Commercial data

Item number	1452318
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	A1 - Reihenklemmen
Product key	BE1111
GTIN	4063151841706
Weight per piece (including packing)	9,702 g
Weight per piece (excluding packing)	9,7 g
Customs tariff number	85369010
Country of origin	IN

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Technical data

Product properties

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

Data management status

Article revision	00
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Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	0.56 W

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	1.5 mm ²
Rated cross section AWG	16
Screw thread	M2
Tightening torque	0.22 ... 0.25 Nm
Stripping length	7 mm ... 8 mm
Internal cylindrical gage	A1
	B1
Conductor cross section rigid	0.14 mm ² ... 1.5 mm ²
Cross section AWG	26 ... 16 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm ² ... 1.5 mm ²
Conductor cross section, flexible [AWG]	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 1 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 0.75 mm ²
Nominal cross section	1.5 mm ²

Dimensions

Width	4.15 mm
Height	48 mm
Depth	46.9 mm

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Material specifications

Color	green-yellow
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
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Environmental and real-life conditions

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2022-06
Spectrum	Service life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	$6.12 \text{ (m/s}^2\text{)}^2/\text{Hz}$
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2022-06
Pulse shape	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

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)

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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

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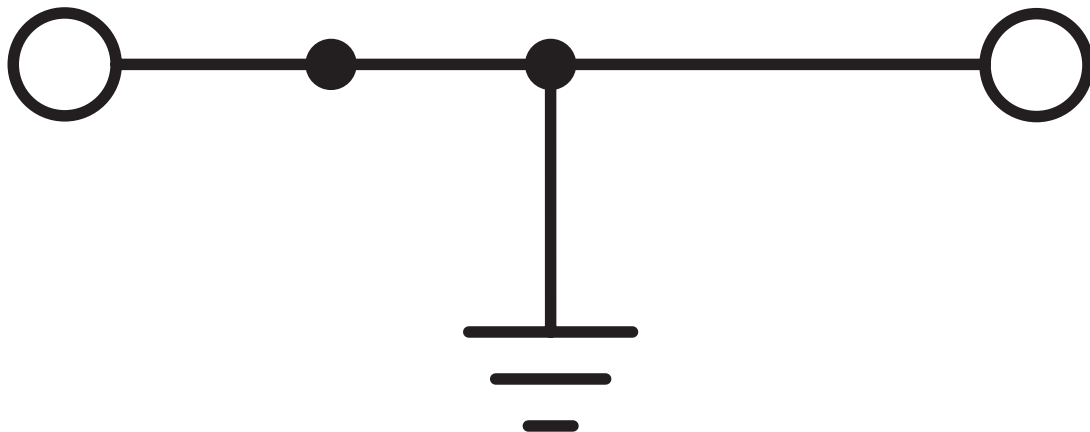
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Drawings

Circuit diagram



UT 1,5-PE - Ground terminal



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/de/produkte/1452318>

 cCSAus Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	-	-	30 - 14	-
Use group C	-	-	30 - 14	-
Use group F	-	-	30 - 14	-
Use group D	-	-	30 - 14	-

 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	-	-	30 - 14	-
Use group C	-	-	30 - 14	-
Use group F	-	-	30 - 14	-
Use group D	-	-	30 - 14	-

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Classifications

ECLASS

ECLASS-11.0	27141141
ECLASS-13.0	27250103

ETIM

ETIM 9.0	EC000901
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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Accessories

D-UT 2,5/10 - End cover

3047028

<https://www.phoenixcontact.com/de/produkte/3047028>

End cover, depth: 39.8 mm, width: 2.2 mm, height: 47 mm, color: gray



ATP-UT - Partition plate

3047167

<https://www.phoenixcontact.com/de/produkte/3047167>

Partition plate, depth: 45.7 mm, width: 2.2 mm, height: 53.4 mm, color: gray



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NS 35/ 7,5 PERF 2000MM - DIN rail perforated

0801733

<https://www.phoenixcontact.com/de/produkte/0801733>



DIN rail perforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

NS 35/ 7,5 UNPERF 2000MM - DIN rail, unperforated

0801681

<https://www.phoenixcontact.com/de/produkte/0801681>



DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

UT 1,5-PE - Ground terminal

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NS 35/ 7,5 WH PERF 2000MM - DIN rail perforated

1204119

<https://www.phoenixcontact.com/de/produkte/1204119>



DIN rail perforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver

NS 35/ 7,5 WH UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1204122

<https://www.phoenixcontact.com/de/produkte/1204122>



DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver

UT 1,5-PE - Ground terminal

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NS 35/ 7,5 AL UNPERF 2000MM - DIN rail, unperforated

0801704

<https://www.phoenixcontact.com/de/produkte/0801704>



DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver

NS 35/ 7,5 ZN PERF 2000MM - DIN rail perforated

1206421

<https://www.phoenixcontact.com/de/produkte/1206421>



DIN rail perforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver

UT 1,5-PE - Ground terminal

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NS 35/ 7,5 ZN UNPERF 2000MM - DIN rail, unperforated

1206434

<https://www.phoenixcontact.com/de/produkte/1206434>



DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver

NS 35/ 7,5 CU UNPERF 2000MM-VPE 10 - DIN rail, unperforated

0801762

<https://www.phoenixcontact.com/de/produkte/0801762>



DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored

UT 1,5-PE - Ground terminal

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NS 35/ 7,5 CAP - End cap

1206560

<https://www.phoenixcontact.com/de/produkte/1206560>

DIN rail end piece, for DIN rail NS 35/7.5



NS 35/15 PERF 2000MM - DIN rail perforated

1201730

<https://www.phoenixcontact.com/de/produkte/1201730>



DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

UT 1,5-PE - Ground terminal

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<https://www.phoenixcontact.com/de/produkte/1452318>



NS 35/15 UNPERF 2000MM - DIN rail, unperforated

1201714

<https://www.phoenixcontact.com/de/produkte/1201714>



DIN rail, unperforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

NS 35/15 WH PERF 2000MM - DIN rail perforated

0806602

<https://www.phoenixcontact.com/de/produkte/0806602>



DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: white

UT 1,5-PE - Ground terminal

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<https://www.phoenixcontact.com/de/produkte/1452318>



NS 35/15 WH UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1204135

<https://www.phoenixcontact.com/de/produkte/1204135>



DIN rail, unperforated, Pack of 10 (20 m), similar to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver

NS 35/15 AL UNPERF 2000MM - DIN rail, unperforated

1201756

<https://www.phoenixcontact.com/de/produkte/1201756>



DIN rail, unperforated, similar to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver

UT 1,5-PE - Ground terminal

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<https://www.phoenixcontact.com/de/produkte/1452318>



NS 35/15 ZN PERF 2000MM - DIN rail perforated

1206599

<https://www.phoenixcontact.com/de/produkte/1206599>



DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, Standard profile, color: silver

NS 35/15 ZN UNPERF 2000MM - DIN rail, unperforated

1206586

<https://www.phoenixcontact.com/de/produkte/1206586>



DIN rail, unperforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, Standard profile, color: silver

UT 1,5-PE - Ground terminal

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<https://www.phoenixcontact.com/de/produkte/1452318>



NS 35/15 CU UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201895

<https://www.phoenixcontact.com/de/produkte/1201895>



DIN rail, unperforated, Pack of 10 (20 m), similar to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored

NS 35/15 CAP - End cap

1206573

<https://www.phoenixcontact.com/de/produkte/1206573>

DIN rail end piece, for DIN rail NS 35/15



UT 1,5-PE - Ground terminal

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<https://www.phoenixcontact.com/de/produkte/1452318>



NS 35/15-2,3 UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201798

<https://www.phoenixcontact.com/de/produkte/1201798>



DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile 2.3 mm, color: silver

ZB 4 :UNBEDRUCKT - Zack marker strip

0805001

<https://www.phoenixcontact.com/de/produkte/0805001>



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 4.2 mm, lettering field size: 4.2 x 10.5 mm, Number of individual labels: 10

UT 1,5-PE - Ground terminal

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<https://www.phoenixcontact.com/de/produkte/1452318>



ZB 4 CUS - Zack marker strip

0824951

<https://www.phoenixcontact.com/de/produkte/0824951>



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 4.2 mm, lettering field size: 4.2 x 10.5 mm, Number of individual labels: 10

ZB 4,LGS:FORTL.ZAHLEN - Zack marker strip

0805739

<https://www.phoenixcontact.com/de/produkte/0805739>



Zack marker strip, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 4.2 mm, lettering field size: 4.2 x 10.5 mm, Number of individual labels: 10

UT 1,5-PE - Ground terminal

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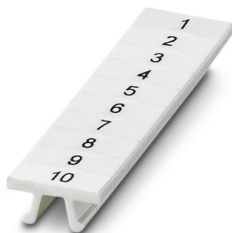
<https://www.phoenixcontact.com/de/produkte/1452318>



ZB 4,QR:FORTL.ZAHLEN - Zack marker strip

0805807

<https://www.phoenixcontact.com/de/produkte/0805807>



Zack marker strip, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 4.2 mm, lettering field size: 4.2 x 10.5 mm, Number of individual labels: 10

UC-TM 4 - Marker for terminal blocks

0818111

<https://www.phoenixcontact.com/de/produkte/0818111>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 4.2 mm, lettering field size: 3.6 x 10.5 mm, Number of individual labels: 120

UT 1,5-PE - Ground terminal

1452318

<https://www.phoenixcontact.com/de/produkte/1452318>



UC-TM 4 CUS - Marker for terminal blocks

0824573

<https://www.phoenixcontact.com/de/produkte/0824573>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 4.2 mm, lettering field size: 3.6 x 10.5 mm, Number of individual labels: 120

UCT-TM 4 - Marker for terminal blocks

0828732

<https://www.phoenixcontact.com/de/produkte/0828732>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, for terminal block width: 4.2 mm, lettering field size: 3.6 x 10.5 mm, Number of individual labels: 84

UT 1,5-PE - Ground terminal

1452318

<https://www.phoenixcontact.com/de/produkte/1452318>



UCT-TM 4 CUS - Marker for terminal blocks

0829588

<https://www.phoenixcontact.com/de/produkte/0829588>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 4.2 mm, lettering field size: 3.6 x 10.5 mm, Number of individual labels: 84

STP 4-2-ZB - Marker carriers

3038613

<https://www.phoenixcontact.com/de/produkte/3038613>



Marker carriers, snaps into ST 1,5... spring-cage terminal blocks, can be marked with UC-TM 4, UC-TMF 4, UCT-TM 4, UCT-TMF 4, ZB 4, or ZBF 4, gray, unlabeled, mounting type: snapped, lettering field size: 4 x 10.5 mm

UT 1,5-PE - Ground terminal

1452318

<https://www.phoenixcontact.com/de/produkte/1452318>



ZBF 4:UNBEDRUCKT - Zack Marker strip, flat

0808587

<https://www.phoenixcontact.com/de/produkte/0808587>



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 4 mm, lettering field size: 4.2 x 5.2 mm, Number of individual labels: 10

ZBF 4 CUS - Zack Marker strip, flat

0825023

<https://www.phoenixcontact.com/de/produkte/0825023>



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 4.2 mm, lettering field size: 4.2 x 5.2 mm, Number of individual labels: 10

UT 1,5-PE - Ground terminal

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<https://www.phoenixcontact.com/de/produkte/1452318>



ZBF 4,LGS:FORTL.ZAHLEN - Zack Marker strip, flat

0808626

<https://www.phoenixcontact.com/de/produkte/0808626>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 4 mm, lettering field size: 4.2 x 5.2 mm, Number of individual labels: 10

ZBF 4,QR:FORTL.ZAHLEN - Zack Marker strip, flat

0808820

<https://www.phoenixcontact.com/de/produkte/0808820>



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 4 mm, lettering field size: 4.2 x 5.2 mm, Number of individual labels: 10

UT 1,5-PE - Ground terminal

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ZBF 4,LGS:GERADE ZAHLEN - Zack Marker strip, flat

0810818

<https://www.phoenixcontact.com/de/produkte/0810818>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive even numbers 2 ... 20, 22 ... 40, etc. up to 82 ... 100, mounting type: snapped, for terminal block width: 4 mm, lettering field size: 5.15 x 4.15 mm, Number of individual labels: 10

ZBF 4,LGS:UNGERADE ZAHLEN - Zack Marker strip, flat

0810850

<https://www.phoenixcontact.com/de/produkte/0810850>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, mounting type: snapped, for terminal block width: 4 mm, lettering field size: 5.15 x 4.15 mm, Number of individual labels: 10

UT 1,5-PE - Ground terminal

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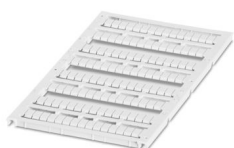
<https://www.phoenixcontact.com/de/produkte/1452318>



UC-TMF 4 - Marker for terminal blocks

0818166

<https://www.phoenixcontact.com/de/produkte/0818166>

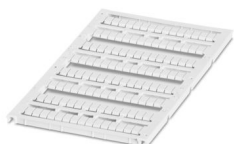


Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 4.2 mm, lettering field size: 3.6 x 5.1 mm, Number of individual labels: 120

UC-TMF 4 CUS - Marker for terminal blocks

0824630

<https://www.phoenixcontact.com/de/produkte/0824630>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 4.2 mm, lettering field size: 3.6 x 5.1 mm, Number of individual labels: 120

UT 1,5-PE - Ground terminal

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<https://www.phoenixcontact.com/de/produkte/1452318>



UCT-TMF 4 - Marker for terminal blocks

0828742

<https://www.phoenixcontact.com/de/produkte/0828742>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, for terminal block width: 4.2 mm, lettering field size: 3.4 x 4.7 mm, Number of individual labels: 90

UCT-TMF 4 CUS - Marker for terminal blocks

0829651

<https://www.phoenixcontact.com/de/produkte/0829651>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 4.2 mm, lettering field size: 3.4 x 4.7 mm, Number of individual labels: 90

UT 1,5-PE - Ground terminal

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PAI-4 - Test adapter

3030925

<https://www.phoenixcontact.com/de/produkte/3030925>



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 8.2 mm pitch, number of positions: 1, color: gray

PS-4 - Test plug

3030970

<https://www.phoenixcontact.com/de/produkte/3030970>



Test plug, Modular test plug, number of positions: 1, color: red

UT 1,5-PE - Ground terminal

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<https://www.phoenixcontact.com/de/produkte/1452318>



DP PS-4 - Spacer plate

3036712

<https://www.phoenixcontact.com/de/produkte/3036712>



Spacer plate, depth: 29 mm, width: 4.2 mm, height: 22.4 mm, number of positions: 1, color: red

SZF 0-0,4X2,5 - Screwdriver

1204504

<https://www.phoenixcontact.com/de/produkte/1204504>



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

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