

UTMED 6-PE - Protective conductor terminal block



3047442

<https://www.phoenixcontact.com/au/products/3047442>

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.



Protective conductor terminal block, number of connections: 2, connection method: Screw connection, cross section: 0.2 mm² - 10 mm², mounting type: NS 35/7,5, NS 35/15, color: green-yellow

Your advantages

- Feed-through terminal blocks of the same shape are available
- Clear selection thanks to printed switching symbols
- Easy operation
- Clear
- Six function shafts
- Compact design
- Flexible and comprehensive accessories
- Reliably snapped into the end positions

Commercial data

Item number	3047442
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE1133
Product key	BE1133
Catalog page	Page 177 (C-1-2019)
GTIN	4046356291118
Weight per piece (including packing)	33.272 g
Weight per piece (excluding packing)	33.272 g
Customs tariff number	85369010
Country of origin	PL

UTMED 6-PE - Protective conductor terminal block



3047442

<https://www.phoenixcontact.com/au/products/3047442>

Technical data

Product properties

Product type	Ground terminal block
Product family	UTMED
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	1.31 W

Connection data

Number of connections per level	2
Nominal cross section	6 mm ²

Level 1 above 1 below 1

Screw thread	M4
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	1.5 ... 1.8 Nm
Stripping length	10 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section rigid	0.2 mm ² ... 10 mm ²
Cross section AWG	24 ... 8 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm ² ... 10 mm ²
Conductor cross section, flexible [AWG]	24 ... 8 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 6 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm ² ... 6 mm ²

Dimensions

Width	8.2 mm
End cover width	2.2 mm
Height	100.8 mm
Depth on NS 35/7,5	49.6 mm
Depth on NS 35/15	57.1 mm

Material specifications

Color	green-yellow
Flammability rating according to UL 94	V0
Insulating material group	I

UTMED 6-PE - Protective conductor terminal block



3047442

<https://www.phoenixcontact.com/au/products/3047442>

Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °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
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
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

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2018-05
Spectrum	Long 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):2008-03
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.)

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 %

UTMED 6-PE - Protective conductor terminal block



3047442

<https://www.phoenixcontact.com/au/products/3047442>

Permissible humidity (storage/transport)
--

30 % ... 70 %

Standards and regulations

Connection in acc. with standard

IEC 60947-7-2

Mounting

Mounting type

NS 35/7,5

NS 35/15

UTMED 6-PE - Protective conductor terminal block

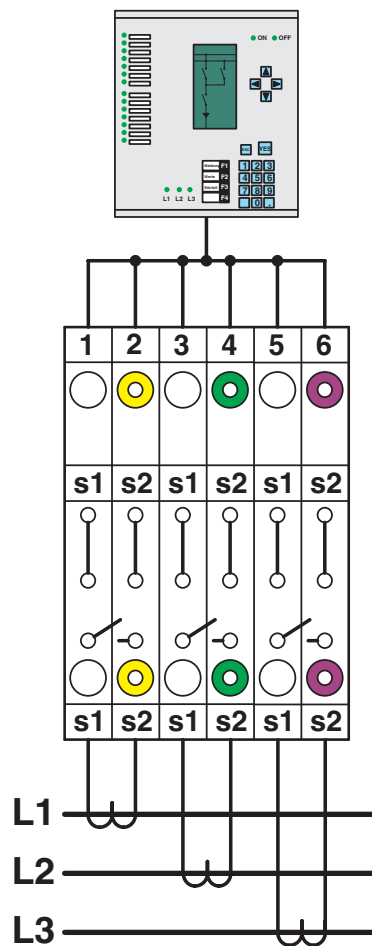
3047442

<https://www.phoenixcontact.com/au/products/3047442>



Drawings

Schematic diagram



Simple three-phase current transformer set

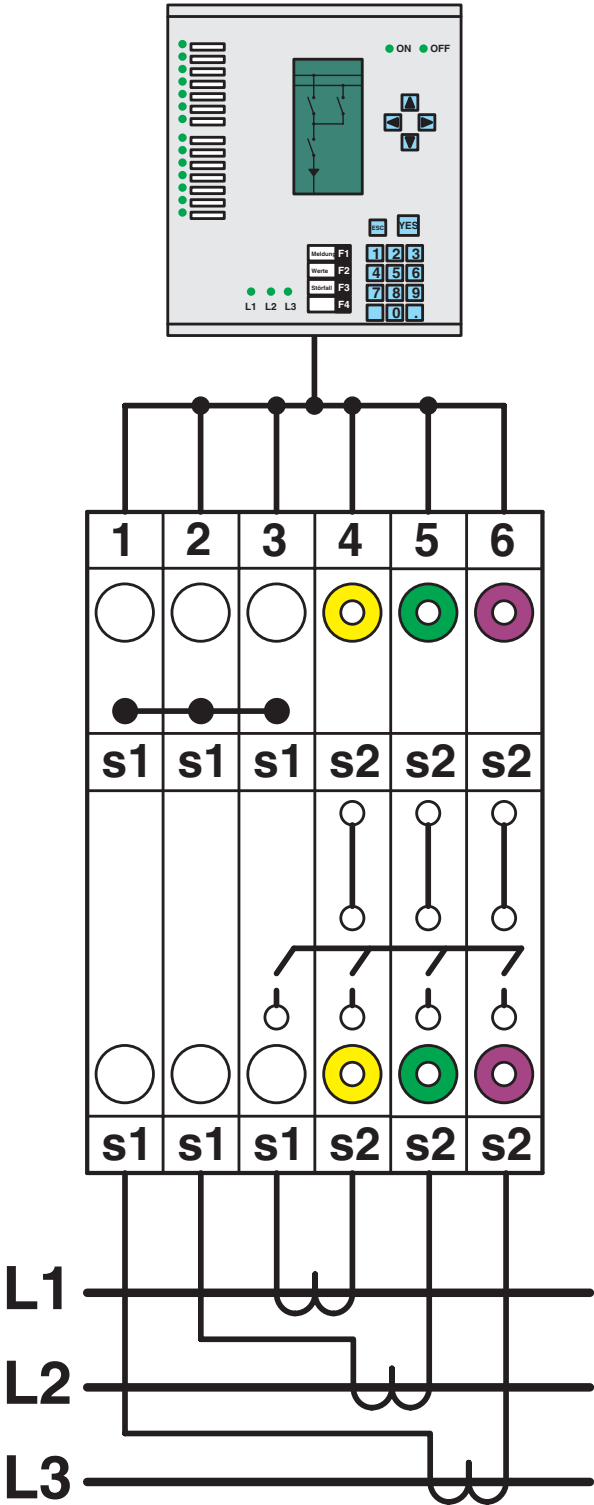
UTMED 6-PE - Protective conductor terminal block

3047442

<https://www.phoenixcontact.com/au/products/3047442>



Schematic diagram



Interlinked three-phase current transformer set

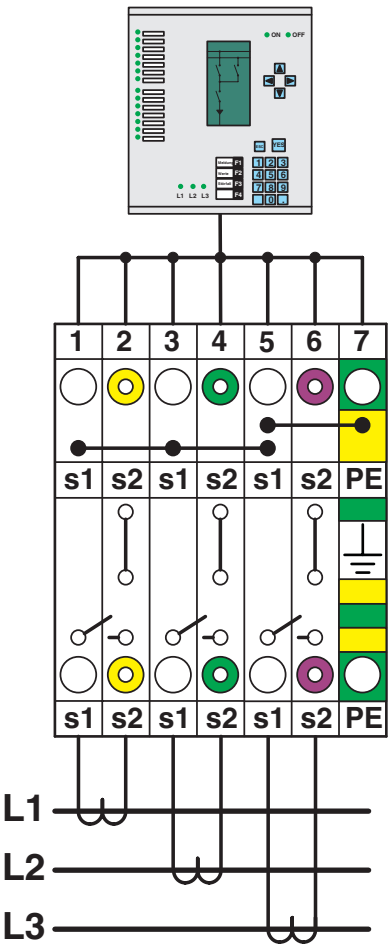
UTMED 6-PE - Protective conductor terminal block

3047442

<https://www.phoenixcontact.com/au/products/3047442>

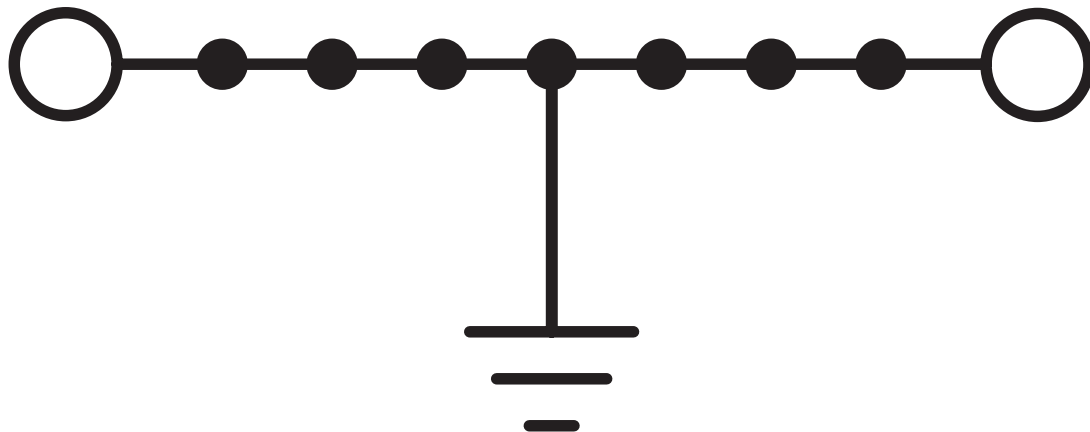


Schematic diagram

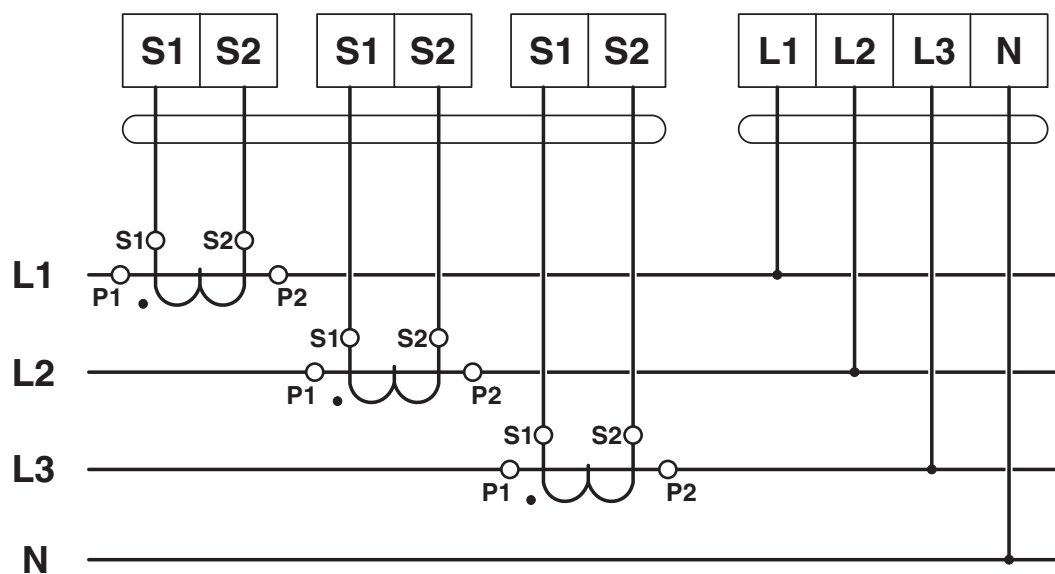


Interlinked three-phase current transformer set with grounded star point

Circuit diagram



Circuit diagram



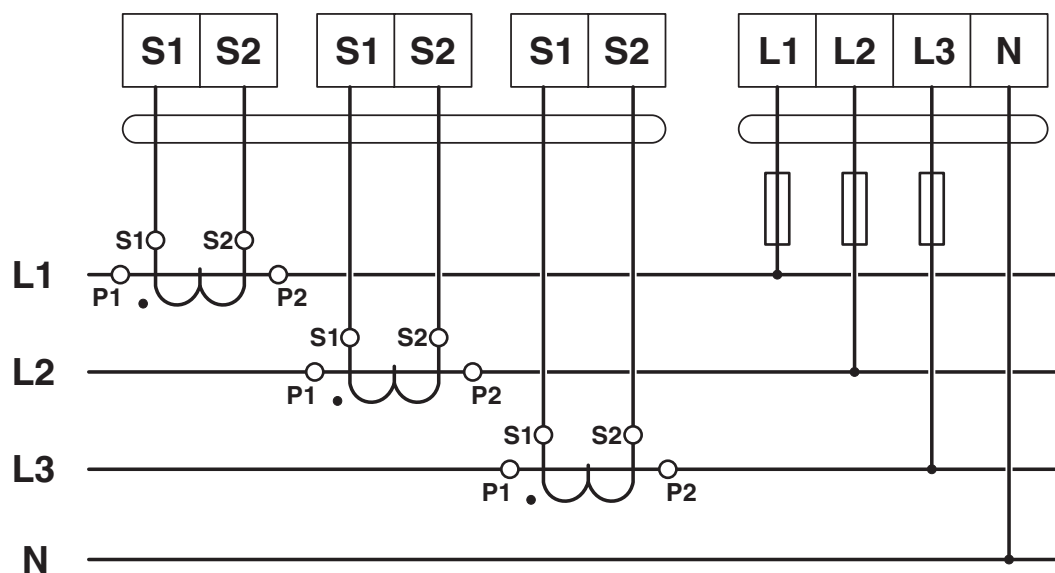
UTMED 6-PE - Protective conductor terminal block



3047442

<https://www.phoenixcontact.com/au/products/3047442>

Circuit diagram



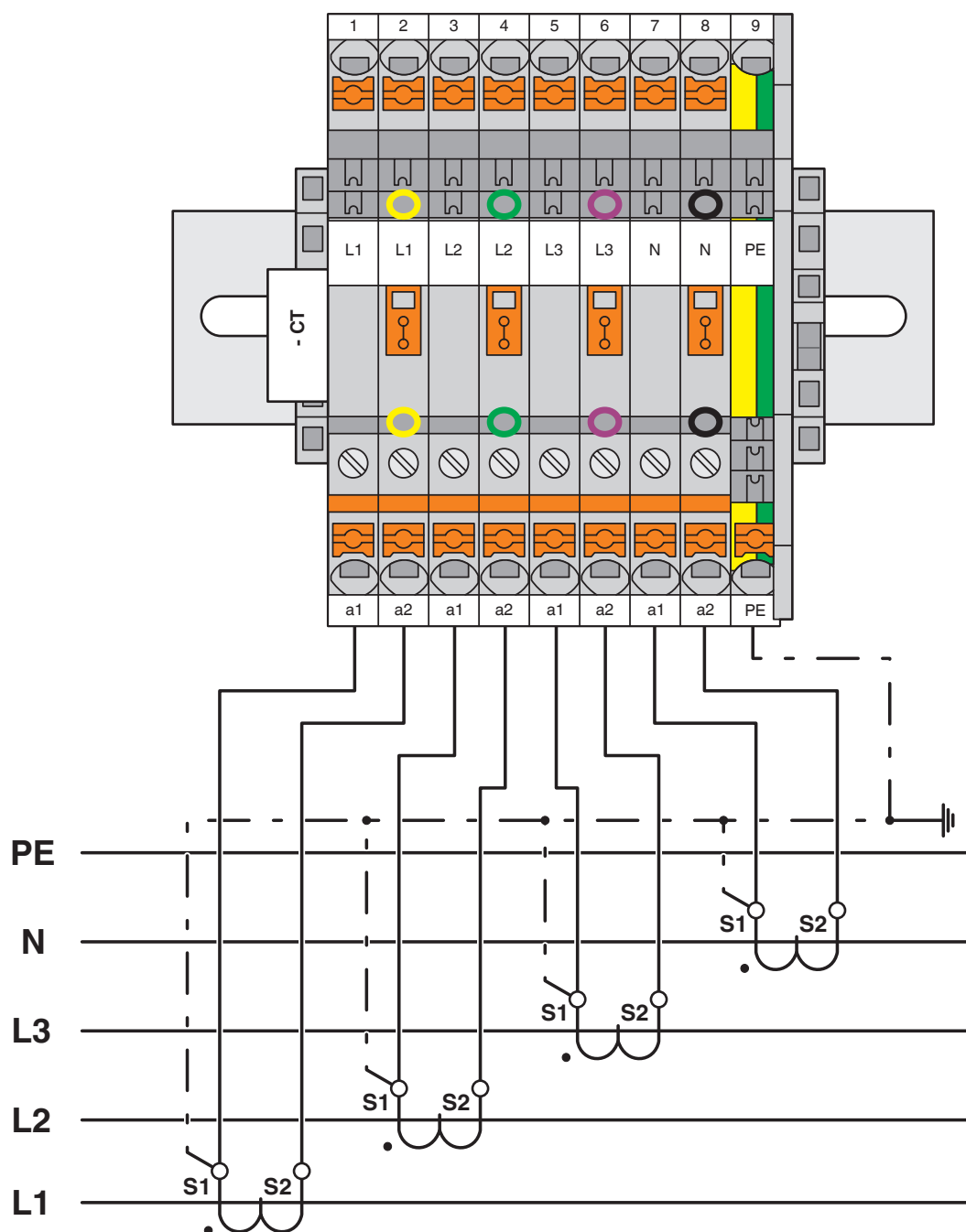
UTMED 6-PE - Protective conductor terminal block

3047442

<https://www.phoenixcontact.com/au/products/3047442>



Circuit diagram



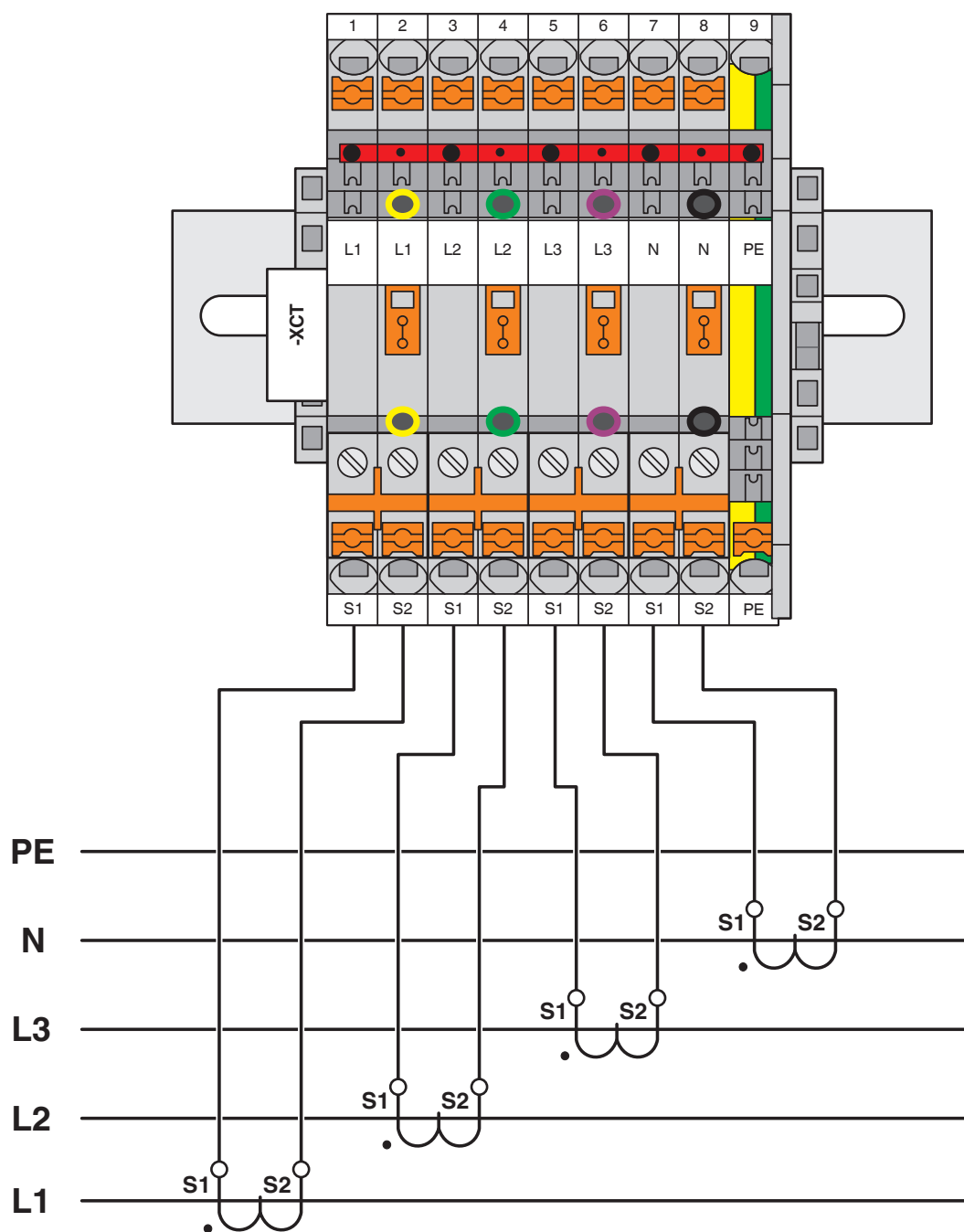
UTMED 6-PE - Protective conductor terminal block

3047442

<https://www.phoenixcontact.com/au/products/3047442>



Circuit diagram



UTMED 6-PE - Protective conductor terminal block



3047442

<https://www.phoenixcontact.com/au/products/3047442>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/au/products/3047442>



CSA
Approval ID: 13631



EAC
Approval ID: KZ7500651131219505

 cULus Recognized Approval ID: E60425	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	-	-	24 - 8	-
Multi-conductor connection	-	-	24 - 12	-
Use group C				
	-	-	24 - 8	-
Multi-conductor connection	-	-	24 - 12	-
Use group D				
	-	-	24 - 8	-
Multi-conductor connection	-	-	24 - 12	-



CSA
Approval ID: 13631

UTMED 6-PE - Protective conductor terminal block



3047442

<https://www.phoenixcontact.com/au/products/3047442>

Classifications

ECLASS

ECLASS-13.0	27250109
-------------	----------

ETIM

ETIM 9.0	EC000902
----------	----------

UNSPSC

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

UTMED 6-PE - Protective conductor terminal block



3047442

<https://www.phoenixcontact.com/au/products/3047442>

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	892ad882-4d20-46e8-b104-b5984e6d0b64

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT PTY Ltd

Unit 7, 2-8 South Street

Rydalmere NSW 2116

1300 786 411

customerservice@phoenixcontact.com.au