

# Ground modular terminal block - UTMED 6-PE - 3047442

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Ground modular terminal block, Connection method: Screw connection, Cross section: 0.2 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 24 - 8, Width: 8.2 mm, Color: green-yellow, Mounting type: NS 35/7,5, NS 35/15

## Product Features

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

## Key commercial data

<b>package_quantity</b>	50
<b>GTIN</b>	4046356291118

## Technical data

### General

<b>Number of levels</b>	1
<b>Number of connections</b>	2
<b>Color</b>	green-yellow
<b>Insulating material</b>	PA
<b>Inflammability class according to UL 94</b>	V0

### General

<b>Rated surge voltage</b>	6 kV
<b>Surge voltage category</b>	III
<b>Insulating material group</b>	I
<b>Connection in acc. with standard</b>	IEC 60947-7-2
<b>Open side panel</b>	ja
<b>Shock protection test specification</b>	DIN EN 50274 (VDE 0660-514):2002-11
<b>Back of the hand protection</b>	guaranteed
<b>Finger protection</b>	guaranteed

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## Technical data

### General

<b>Test specification, oscillation, broadband noise</b>	DIN EN 50155 (VDE 0115-200):2008-03
<b>Test spectrum</b>	Service life test category 1, class B, body mounted
<b>Test frequency</b>	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
<b>ASD level</b>	0.02 g <sup>2</sup> /Hz
<b>Acceleration</b>	0.8 g
<b>Test duration per axis</b>	5 h
<b>Test directions</b>	X-, Y- and Z-axis
<b>Oscillation, broadband noise test result</b>	Test passed
<b>Test specification, shock test</b>	DIN EN 50155 (VDE 0115-200):2008-03
<b>Shock form</b>	Half-sine
<b>Acceleration</b>	5 g
<b>Shock duration</b>	30 ms
<b>Number of shocks per direction</b>	3
<b>Test directions</b>	X-, Y- and Z-axis (pos. and neg.)
<b>Shock test result</b>	Test passed
<b>Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))</b>	120 °C

### Dimensions

<b>Width</b>	8.2 mm
<b>Length</b>	100.8 mm
<b>Height NS 35/7,5</b>	49.6 mm
<b>Height NS 35/15</b>	57.1 mm

### Connection data

<b>Conductor cross section solid min.</b>	0.2 mm <sup>2</sup>
<b>Conductor cross section solid max.</b>	10 mm <sup>2</sup>
<b>Conductor cross section AWG/kcmil min.</b>	24
<b>Conductor cross section AWG/kcmil max</b>	8
<b>Conductor cross section stranded min.</b>	0.2 mm <sup>2</sup>
<b>Conductor cross section stranded max.</b>	10 mm <sup>2</sup>
<b>Min. AWG conductor cross section, stranded</b>	24
<b>Max. AWG conductor cross section, stranded</b>	8
<b>Conductor cross section stranded, with ferrule without plastic sleeve min.</b>	0.25 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule without plastic sleeve max.</b>	6 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve min.</b>	0.25 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve max.</b>	6 mm <sup>2</sup>
<b>2 conductors with same cross section, solid min.</b>	0.2 mm <sup>2</sup>
<b>2 conductors with same cross section, solid max.</b>	2.5 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded min.</b>	0.2 mm <sup>2</sup>

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## Technical data

### Connection data

2 conductors with same cross section, stranded max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	2.5 mm <sup>2</sup>
Connection method	Screw connection
Stripping length	10 mm
Internal cylindrical gage	A5
Screw thread	M4
Tightening torque, min	1.5 Nm
Tightening torque max	1.8 Nm

## classifications

### eCl@ss

eCl@ss 4.0	27141118
eCl@ss 4.1	27141118
eCl@ss 5.0	27141118
eCl@ss 5.1	27141118
eCl@ss 6.0	27141141
eCl@ss 7.0	27141141
eCl@ss 8.0	27141141

### ETIM

ETIM 2.0	EC000901
ETIM 3.0	EC000901
ETIM 4.0	EC000901
ETIM 5.0	EC000901

### UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

## approvals

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CSA / UL Recognized / cUL Recognized / GOST / GOST / cULus Recognized /

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approvals

Approval details

CSA		
Usegroups	B	C
Nominal voltage UN		
Nominal current IN		
mm <sup>2</sup> /AWG/kcmil	24-8	24-8

UL Recognized			
Usegroups	B	C	D
Nominal voltage UN			
Nominal current IN			
mm <sup>2</sup> /AWG/kcmil	24-8	24-8	24-8

cUL Recognized			
Usegroups	B	C	D
Nominal voltage UN			
Nominal current IN			
mm <sup>2</sup> /AWG/kcmil	24-8	24-8	24-8

GOST	
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cULus Recognized	
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accessories

Screwdriver tools

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## accessories

SZS 1,0X4,0 VDE - 1205066



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### End cover

D-UTME 6 - 3047426



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DP PS-8 - 3036741



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### Flange

CARRIER 35-8 - 3034387



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### Bridge

SB-ME 2-8 - 3034468



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### accessories

FBS 2-8 - 3030284



FBS 3-8 - 3030297



FBS 4-8 - 3030307



FBS 5-8 - 3030310



FBS 10-8 - 3030323



FBS 6-8 - 3032470



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## accessories

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FBS 1/3-8 - 3032363



FBS 1/4-8 - 3032376



FBS 1/3/5-8 - 3032389



FBS 1/4/7/10-8 - 3032402



SB-ME 2-8 - 3034468



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## accessories

SB-ME 3-8 - 3032800



SB-ME 4-8 - 3034484



FBS 1/5-8 - 3032381

FBSRH 2-8 - 3033802



FBSRH 3-8 - 3033803



FBSRH 4-8 - 3033804





# Ground modular terminal block - UTMED 6-PE - 3047442

accessories

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FBSR 2-8 - 3033808



FBSR 3-8 - 3001597



FBSR 5-8 - 3033809



FBSR 10-8 - 3001599



FBSR 16-8 - 3033816



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## accessories

FBSR 1/6/11/16-8 - 3033820



FBSR 1/7/13/16-8 - 3033821



FBSR 1/6/11/14-8 - 3033822



## Cover profile

AP-ME METER - 3034361



APH-ME - 3034374



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### accessories

APT-ME - 3034358



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AH-ME - 3240265



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### Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



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NS 35/ 7,5 UNPERF 2000MM - 0801681



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NS 35/ 7,5 WH PERF 2000MM - 1204119



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### accessories

NS 35/ 7,5 WH UNPERF 2000MM - 1204122



NS 35/ 7,5 AL UNPERF 2000MM - 0801704



NS 35/ 7,5 ZN PERF 2000MM - 1206421



NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



NS 35/ 7,5 CU UNPERF 2000MM - 0801762



NS 35/ 7,5 CAP - 1206560



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accessories

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## Test plug terminal block

PAI-4-FIX BU - 3032729



PAI-4-FIX OG - 3034455



PAI-4-FIX YE - 3032745



PAI-4-FIX RD - 3032732



PAI-4-FIX GN - 3032758



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### accessories

PAI-4-FIX BK - 3032774



PAI-4-FIX GY - 3032790



PAI-4-FIX VT - 3032761



PAI-4-FIX BN - 3032787



PS-8 - 3031005



PS-8/2,3MM RD - 3048564



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accessories

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## Terminal marking

ZB 8:UNBEDRUCKT - 1052002



UC-TM 8 - 0818072



UCT-TM 8 - 0828740



## Labeled terminal marker

ZB 8 CUS - 0825011



UC-TM 8 CUS - 0824597



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accessories

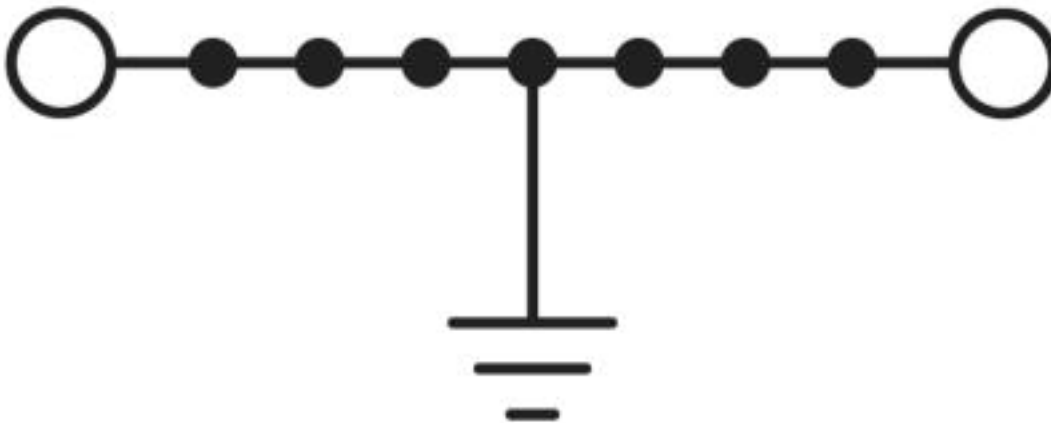
UCT-TM 8 CUS - 0829616



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## Drawings

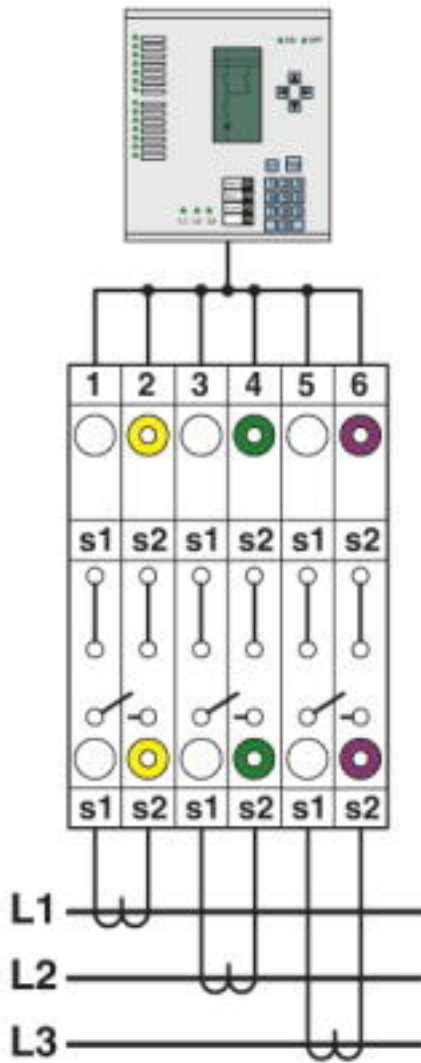
Circuit diagram





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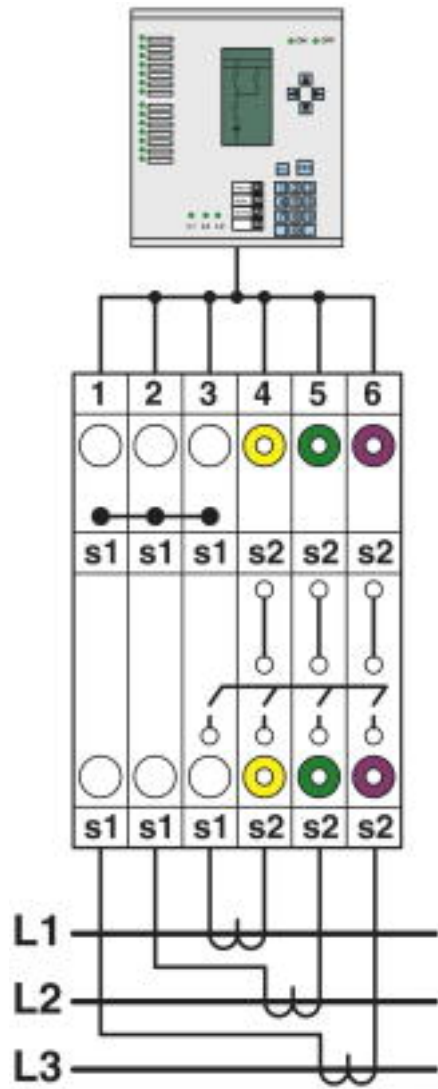
Schematic diagram



Simple three-phase current transformer set

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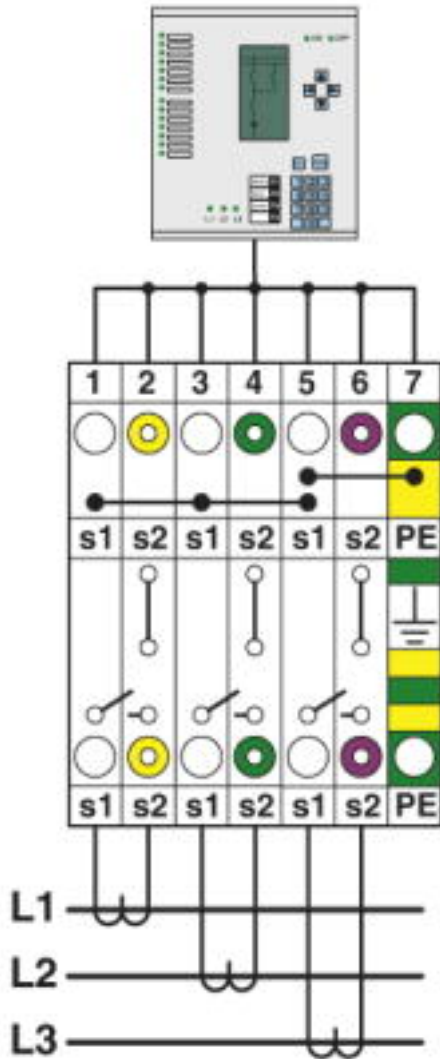
Schematic diagram



Interlinked three-phase current transformer set

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Schematic diagram



Interlinked three-phase current transformer set with grounded star point

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