

Feed-through terminal block - PTMED 6 - 3212183

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Feed-through terminal block, Connection method: Push-in connection, Cross section: 0.5 mm² -10 mm² , AWG: 20 - 10, Width: 8.2 mm, Color: gray

Product Features

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

Key commercial data

package_quantity	50
GTIN	4046356514941

Technical data

General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0

General

Maximum load current	30 A
Rated surge voltage	6 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current I _N	41 A
Nominal voltage U _N	500 V

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Technical data

General

Open side panel	ja
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Surge voltage test setpoint	7.3 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	1.89 kV
Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	0.5 mm ² / 0.3 kg
Bending test conductor cross section/weight	6 mm ² / 1.4 kg
Bending test conductor cross section/weight	10 mm ² / 2 kg
Result of bending test	Test passed
Conductor cross section tensile test	0.5 mm ²
Tractive force setpoint	20 N
Conductor cross section tensile test	6 mm ²
Tractive force setpoint	80 N
Conductor cross section tensile test	10 mm ²
Tractive force setpoint	90 N
Tensile test result	Test passed
Tight fit on carrier	NS 35
Setpoint	5 N
Result of tight fit test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	6 mm ²
Short-time current	0.72 kA
Conductor cross section short circuit testing	10 mm ²
Short-time current	1.2 kA
Short circuit stability result	Test passed
Ageing test for screwless modular terminal block temperature cycles	192
Result of aging test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 1, class B, body mounted
Test frequency	f ₁ = 5 Hz to f ₂ = 150 Hz

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Technical data

General

ASD level	1.857 (m/s ²) ² /Hz
Acceleration	0.8 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Oscillation, broadband noise test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5 g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Shock test result	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C

Dimensions

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

Connection data

Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	10 mm ²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	8
Conductor cross section stranded min.	0.5 mm ²
Conductor cross section stranded max.	6 mm ²
Min. AWG conductor cross section, stranded	20
Max. AWG conductor cross section, stranded	10
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	6 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	6 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm ²
Connection method	Push-in connection
Stripping length	12 mm

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Technical data

Connection data

Internal cylindrical gage	A5
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classifications

eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120

ETIM

ETIM 4.0	EC000897
ETIM 5.0	EC000897

UNSPSC

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

approvals

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

Approval details

UL Recognized 				
Usegroups	B	C	D	
Nominal voltage UN	300 V	300 V	600 V	600 V
Nominal current IN	30 A	30 A	5 A	30 A
mm²/AWG/kcmil	20-8	20-8	20-8	20-8

cUL Recognized 				
Usegroups	B	C	D	
Nominal voltage UN	300 V	300 V	600 V	600 V

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approvals

Usegroups	B	C	D	
Nominal current I _N	30 A	30 A	5 A	30 A
mm ² /AWG/kcmil	20-8	20-8	20-8	20-8

CSA 				
Usegroups	B	C	D	
Nominal voltage U _N	300 V	300 V	600 V	
Nominal current I _N	30 A	30 A	5 A	
mm ² /AWG/kcmil	20-8	20-8	20-8	

GOST 				
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cULus Recognized 				
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accessories

Screwdriver tools

SZF 2-0,8X4,0 - 1204520



SZF 1-0,6X3,5 - 1204517



End cover

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accessories

D-DTME 6 - 3034426



DP PS-8 - 3036741



Flange

CARRIER 35-8 - 3034387



Cover profile

AP-ME METER - 3034361



APH-ME - 3034374



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accessories

APT-ME - 3034358



AH-ME - 3240265



Documentation

PT-IL - 3208090



Bridge

FBS 2-8 - 3030284



FBS 3-8 - 3030297



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accessories

FBS 4-8 - 3030307



FBS 5-8 - 3030310



FBS 10-8 - 3030323



FBS 6-8 - 3032470



FBS 1/3-8 - 3032363



FBS 1/4-8 - 3032376



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accessories

FBS 1/3/5-8 - 3032389



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



SB-ME 2-8 - 3034468



SB-ME 3-8 - 3032800



SB-ME 4-8 - 3034484



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accessories

FBS 1/5-8 - 3032381

FBSRH 2-8 - 3033802



FBSRH 3-8 - 3033803



FBSRH 4-8 - 3033804



FBSR 2-8 - 3033808



FBSR 3-8 - 3001597



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accessories

FBSR 5-8 - 3033809



FBSR 10-8 - 3001599



FBSR 16-8 - 3033816



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



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



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accessories

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



Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



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



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



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accessories

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



NS 35/15 PERF 2000MM - 1201730



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accessories

NS 35/15 UNPERF 2000MM - 1201714



NS 35/15 WH PERF 2000MM - 0806602



NS 35/15 WH UNPERF 2000MM - 1204135



NS 35/15 AL UNPERF 2000MM - 1201756



NS 35/15 ZN PERF 2000MM - 1206599



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accessories

NS 35/15 ZN UNPERF 2000MM - 1206586



NS 35/15 CU UNPERF 2000MM - 1201895



NS 35/15 CAP - 1206573



NS 35/15-2,3 UNPERF 2000MM - 1201798



Terminal marking

ZB 8:UNBEDRUCKT - 1052002



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accessories

UC-TM 8 - 0818072



UCT-TM 8 - 0828740



ZBF 8:UNBEDRUCKT - 0808781



UC-TMF 8 - 0818137



UCT-TMF 8 - 0828748



Labeled terminal marker

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accessories

ZB 8 CUS - 0825011



UC-TM 8 CUS - 0824597



UCT-TM 8 CUS - 0829616



ZBF 8 CUS - 0825030



UC-TMF 8 CUS - 0824654



UCT-TMF 8 CUS - 0829672



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accessories

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

Planning and marking software

CLIP-PROJECT ADVANCED - 5146040



CLIP-PROJECT PROFESSIONAL - 5146053



End block

CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



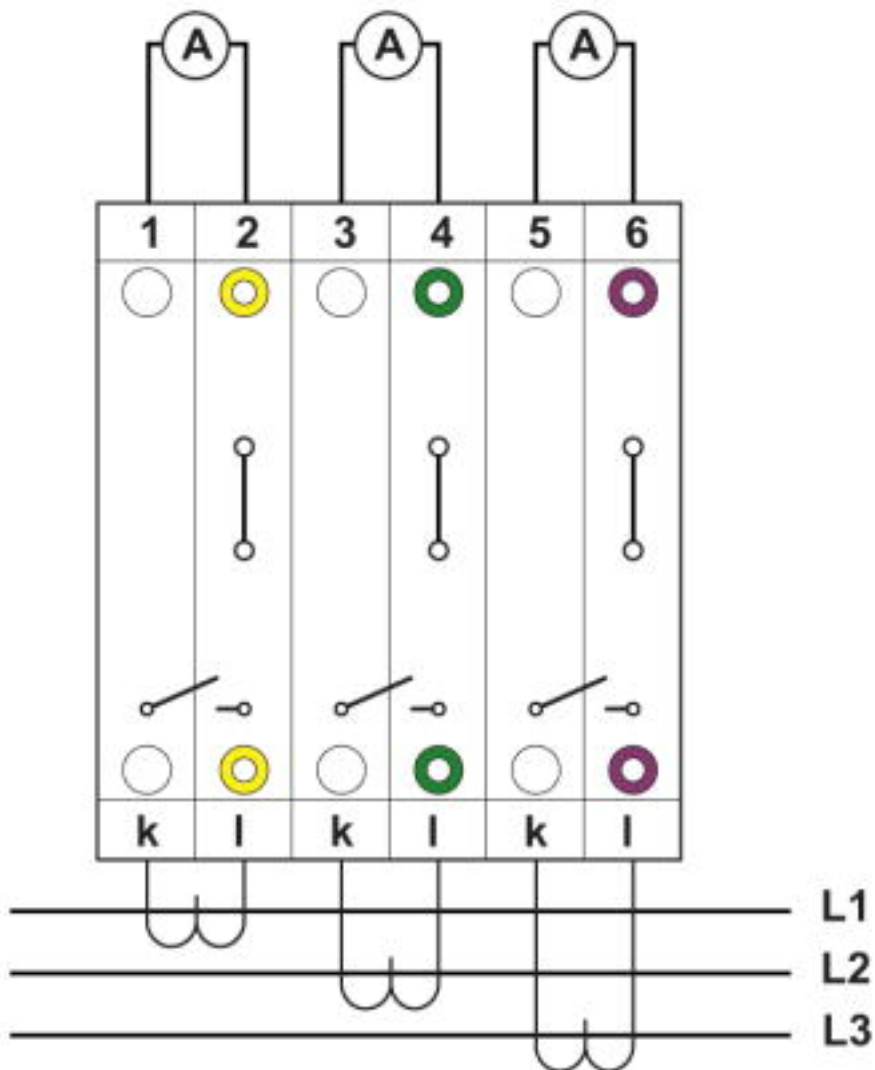
E/NS 35 N - 0800886



Drawings

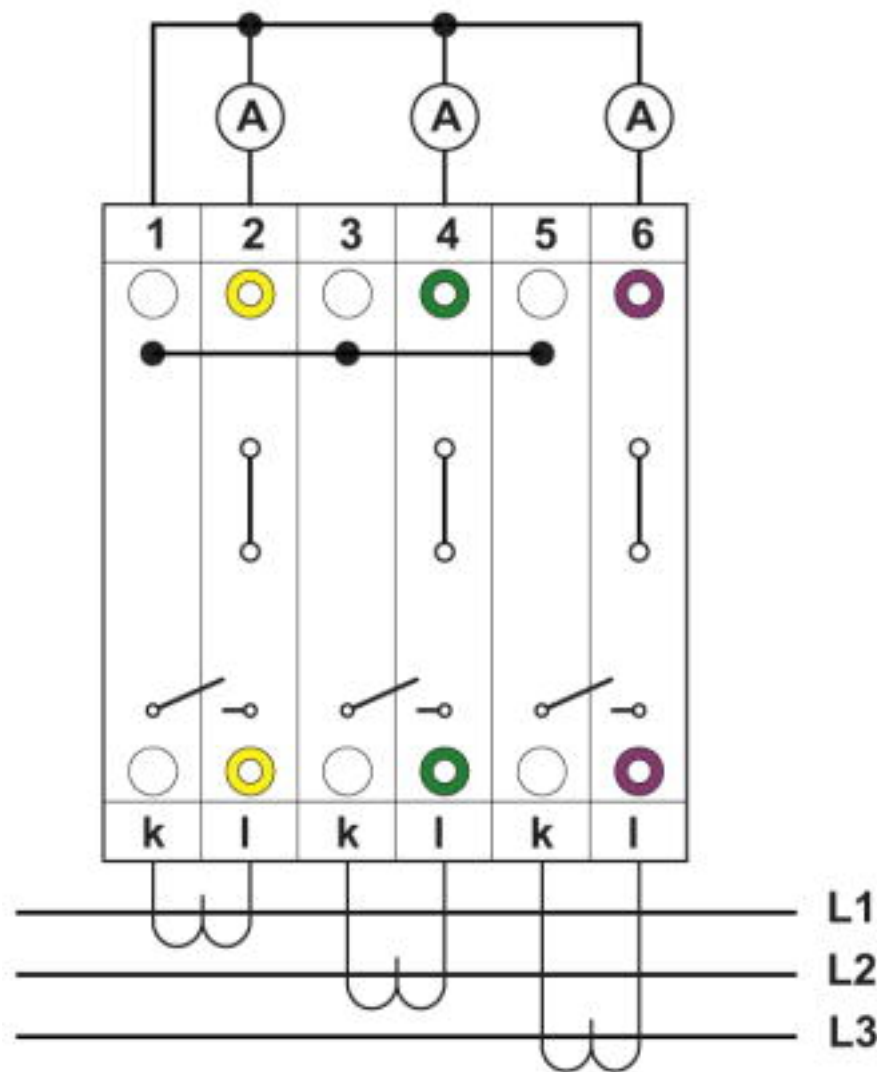
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Connection diagram



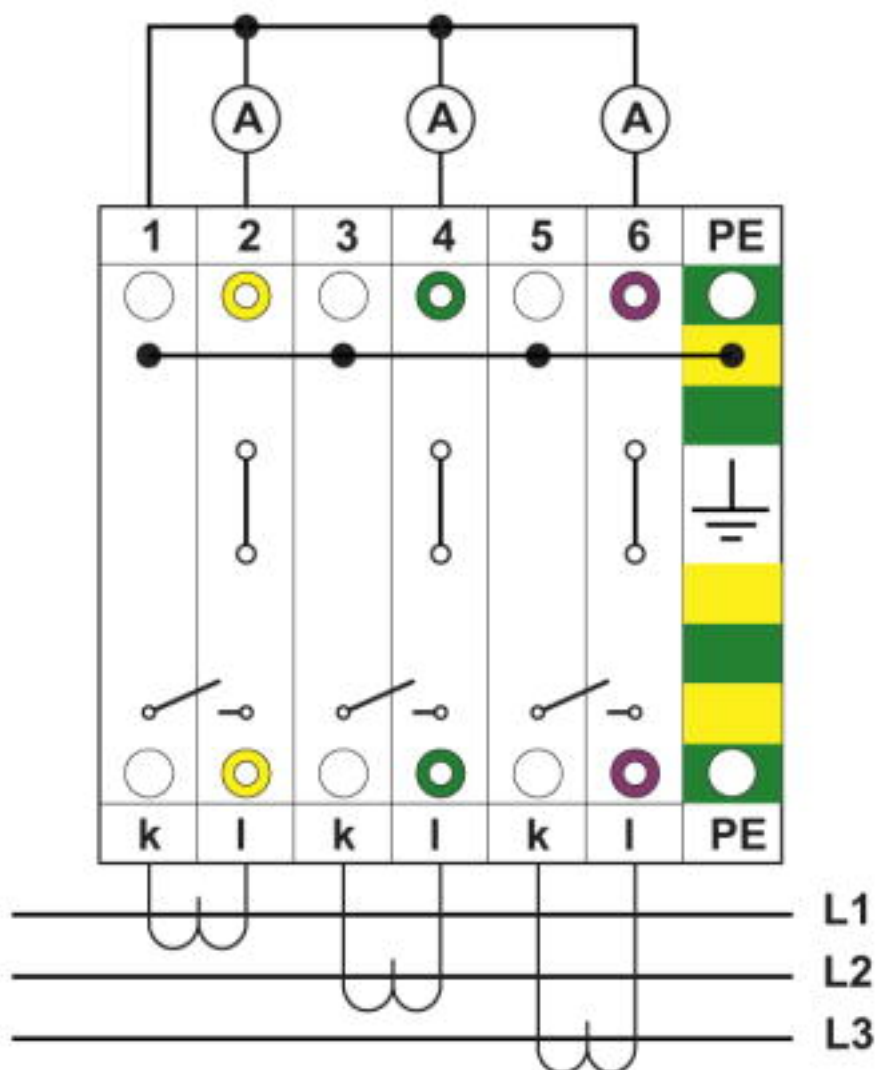
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Connection diagram



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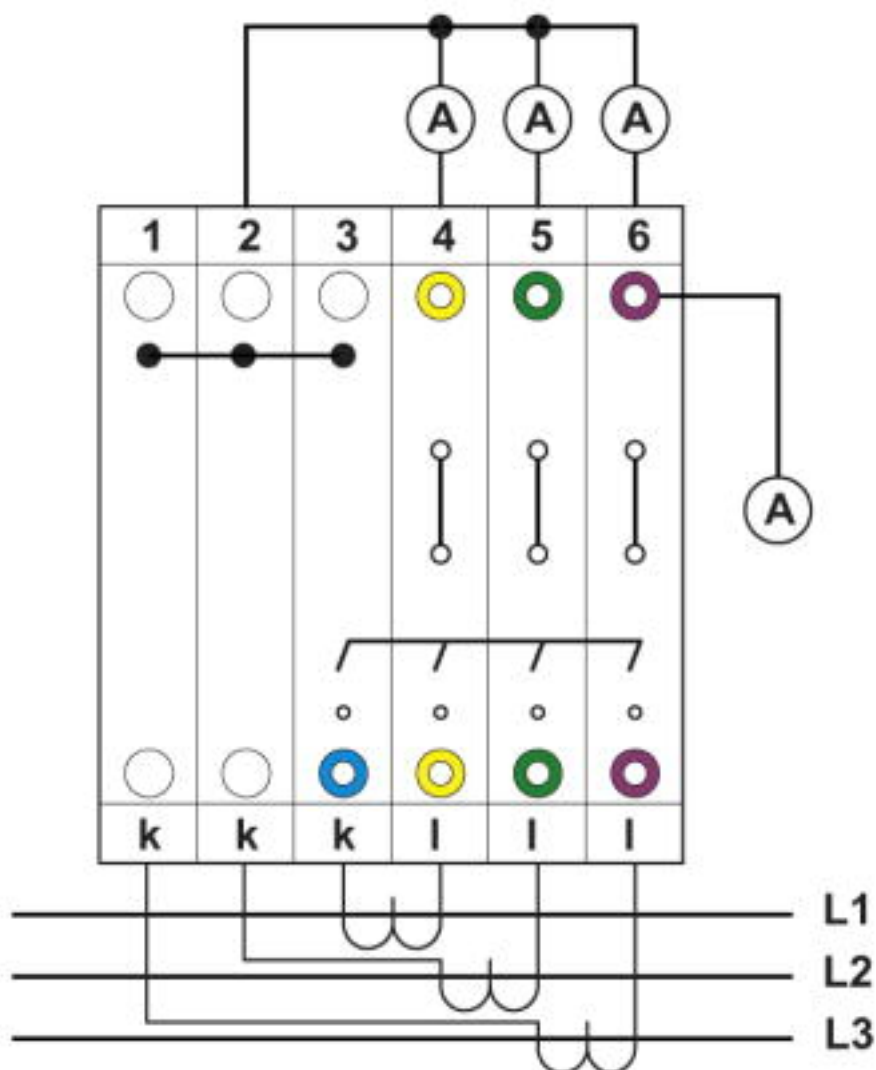
Connection diagram



with PE terminals having the same contours

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Connection diagram



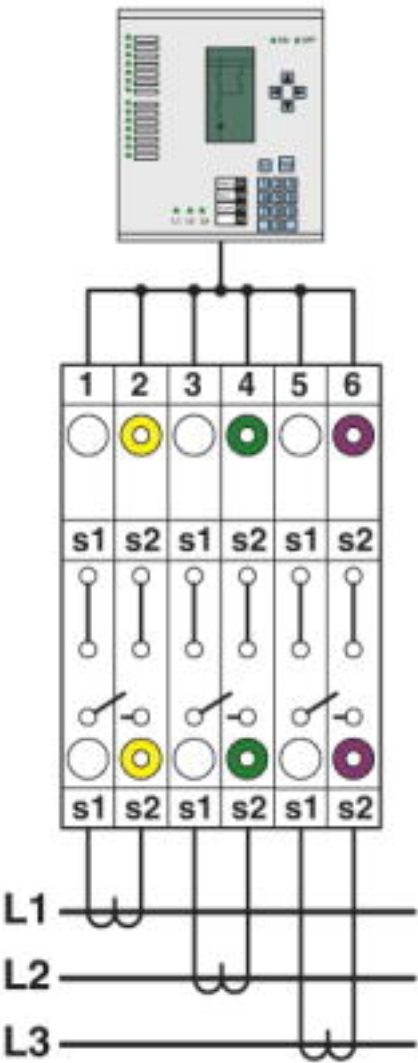
chained

Circuit diagram



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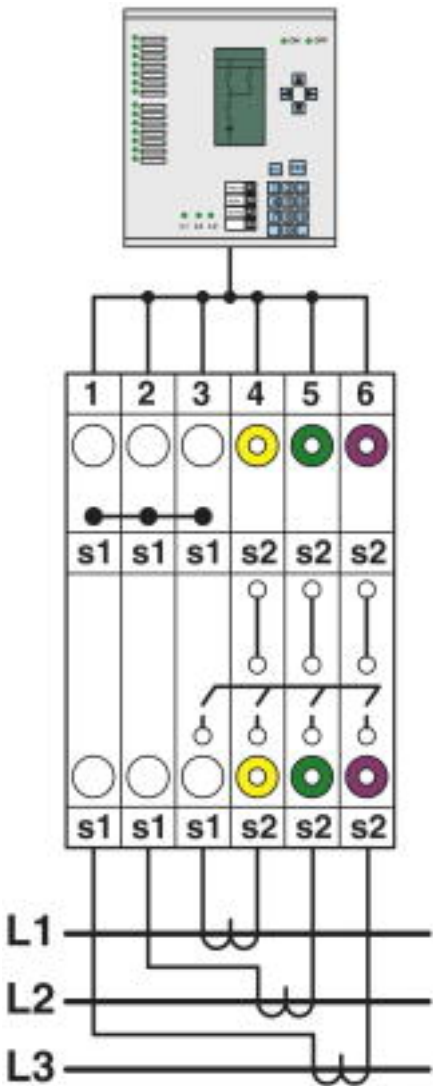
Schematic diagram



Simple three-phase current transformer set

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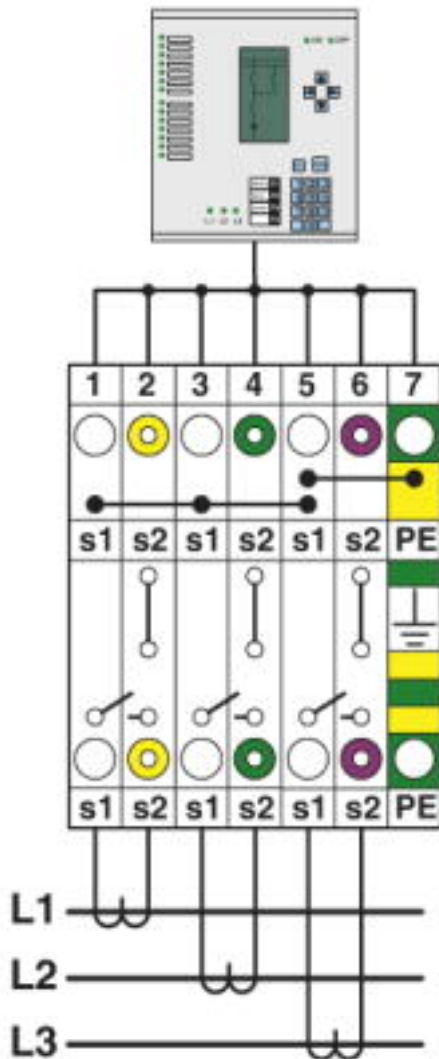
Schematic diagram



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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