Feed-through terminal block - PTMED 6-CT/1P - 3212301

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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 Description

Test disconnect terminal block with plug-in zone for current transformer short circuit plug PPCT 6/...

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	20.4 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

General

Number of levels	1
Number of connections	2
Nominal cross section	6 mm²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 61984
Maximum load current	30 A (with 10 mm² conductor cross section)
Nominal current I_N	30 A
Nominal voltage U_N	500 V

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Technical data

General

Open side panel	Yes
Insertion/withdrawal cycles mechanical	100
Result of surge voltage test	Test passed
Surge voltage test setpoint	4.8 kV
Result of power-frequency withstand voltage test	Test passed
Power frequency withstand voltage setpoint	2.21 kV
Result of tight fit on support	Test passed
Tight fit on carrier	NS 35
Setpoint	5 N
Short circuit stability result	Test passed
Conductor cross section short circuit testing	4 mm²
Short-time current	0.5 kA
Conductor cross section short circuit testing	4 mm²
Short-time current	0.15 kA
Conductor cross section short circuit testing	4 mm²
Short-time current	1.25 kA
Result of thermal test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Oscillation, broadband noise test result	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
ASD level	1.857 $(m/s^2)^2/Hz$
Acceleration	0.8g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Shock 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.)
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C

Dimensions

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Technical data

Dimensions

Width	8.2 mm
End cover width	2.2 mm
Length	114.9 mm
Height NS 35/7,5	49.6 mm
Height NS 35/15	57.1 mm

Connection data

Connection method	Push-in connection
Connection in acc. with standard	IEC 61984
Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	10 mm²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	8
Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	6 mm²
Min. AWG conductor cross section, flexible	20
Max. AWG conductor cross section, flexible	10
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm²
Stripping length	12 mm
Internal cylindrical gage	A5

Standards and Regulations

Connection in acc. with standard	CSA
	IEC 61984
Flammability rating according to UL 94	V0

Classifications

eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120

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Classifications

eCl@ss

eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141126

ETIM

ETIM 4.0	EC000897
ETIM 5.0	EC000902

UNSPSC

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

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / CSA / EAC / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

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

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Approvals

cUL Recognized

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CSA

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mm²/AWG/kcmil	20-8	20-8	20-8
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EAC

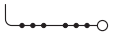
EAC

cULus Recognized

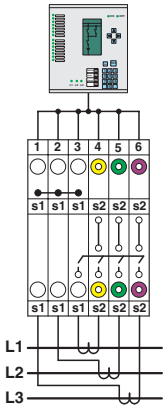
Drawings

Feed-through terminal block - PTMED 6-CT/1P - 3212301

Circuit diagram

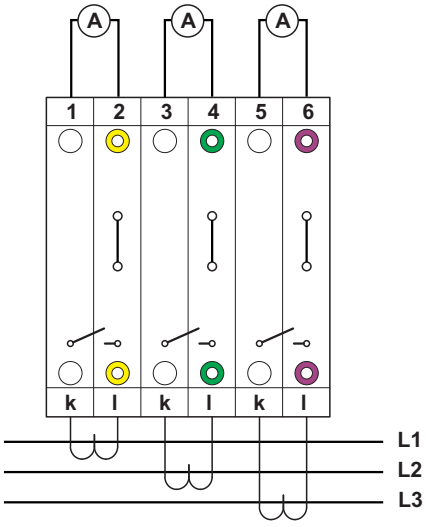


Schematic diagram

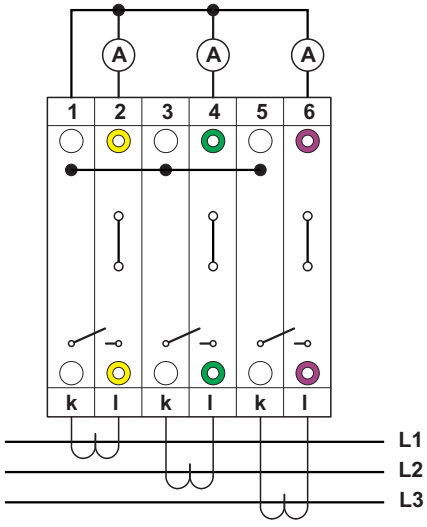


Interlinked three-phase current transformer set

Connection diagram



Connection diagram



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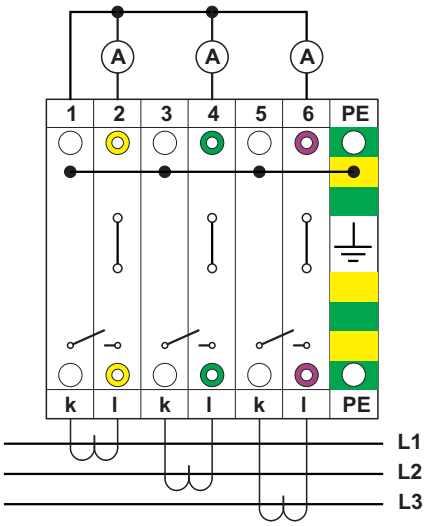
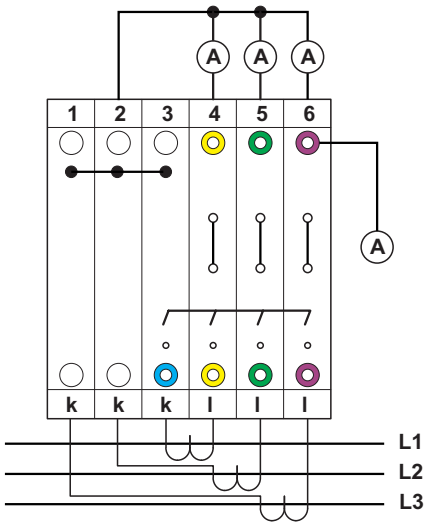
Connection diagram



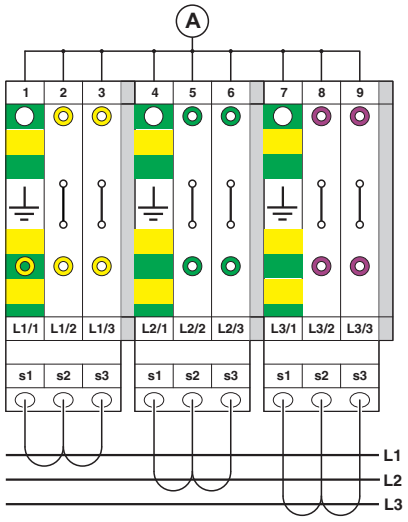
with PE terminals having the same contours

Connection diagram

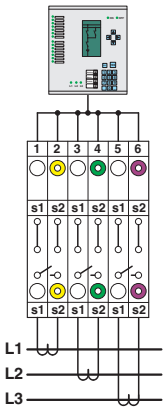


chained

Connection diagram



Schematic diagram



Simple three-phase current transformer set

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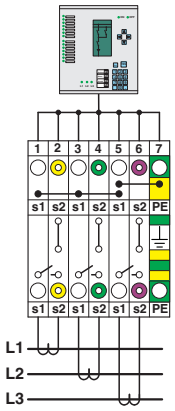
Schematic diagram



Interlinked three-phase current transformer set with grounded star point