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Especialistas en Automatización

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## Test disconnect terminal block - PTME 6 - 3212170

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Test disconnect terminal block, Connection method: Push-in connection, Cross section: 0.5 mm<sup>2</sup> -10 mm<sup>2</sup>, AWG: 20 - 10, Width: 8.2 mm, Color: gray

### Why buy this product

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

### Key Commercial Data

Packing unit	50 STK
GTIN	 4 046356 514934

### Technical data

#### General

Number of levels	1
Number of connections	2
Nominal cross section	6 mm <sup>2</sup>
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 60947-7-1
Maximum load current	30 A (with 10 mm <sup>2</sup> conductor cross section)

# Test disconnect terminal block - PTME 6 - 3212170

## Technical data

### General

Nominal current $I_N$	30 A
Nominal voltage $U_N$	500 V
Open side panel	Yes
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Result of surge voltage test	Test passed
Surge voltage test setpoint	7.3 kV
Result of power-frequency withstand voltage test	Test passed
Power frequency withstand voltage setpoint	1.89 kV
Result of the test for mechanical stability of terminal points (5 x conductor connection)	Test passed
Result of bending test	Test passed
Bending test conductor cross section/weight	0.5 mm <sup>2</sup> / 0.3 kg
	6 mm <sup>2</sup> / 1.4 kg
	10 mm <sup>2</sup> / 2 kg
Tensile test result	Test passed
Conductor cross section tensile test	0.5 mm <sup>2</sup>
Tractive force setpoint	20 N
Conductor cross section tensile test	6 mm <sup>2</sup>
Tractive force setpoint	80 N
Conductor cross section tensile test	10 mm <sup>2</sup>
Tractive force setpoint	90 N
Result of tight fit on support	Test passed
Tight fit on carrier	NS 35
Setpoint	5 N
Result of voltage-drop test	Test passed
Result of temperature-rise test	Test passed
Short circuit stability result	Test passed
Conductor cross section short circuit testing	4 mm <sup>2</sup>
Short-time current	0.5 kA
Conductor cross section short circuit testing	4 mm <sup>2</sup>
Short-time current	0.15 kA
Conductor cross section short circuit testing	4 mm <sup>2</sup>
Short-time current	1.25 kA
Result of aging test	Test passed
Ageing test for screwless modular terminal block temperature cycles	192
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

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## Technical data

### General

Test spectrum	Service life test category 2, bogie mounted
Test 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	3.12 g
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	30g
Shock duration	18 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

Width	8.2 mm
End cover width	2.2 mm
Length	100.8 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 60947-7-1
Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	10 mm <sup>2</sup>
Conductor cross section AWG min.	20
Conductor cross section AWG max.	8
Conductor cross section flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	6 mm <sup>2</sup>
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 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>

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## Technical data

### Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm <sup>2</sup>
Stripping length	12 mm
Internal cylindrical gage	A5

### Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1
Flammability rating according to UL 94	V0

## Classifications

### eCl@ss

eCl@ss 4.0	27141126
eCl@ss 4.1	27141126
eCl@ss 5.0	27141126
eCl@ss 5.1	27141126
eCl@ss 6.0	27141126
eCl@ss 7.0	27141126
eCl@ss 8.0	27141126

### ETIM

ETIM 2.0	EC000902
ETIM 3.0	EC000902
ETIM 4.0	EC000902
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 / KEMA-KEUR / IEC CB Scheme / cULus Recognized


# Test disconnect terminal block - PTME 6 - 3212170

## Approvals


Ex Approvals

Approvals submitted


### Approval details

UL Recognized 

		B	C	D
mm <sup>2</sup> /AWG/kcmil	20-8	20-8	20-8	20-8
Nominal current I <sub>N</sub>	30 A	30 A	30 A	5 A
Nominal voltage U <sub>N</sub>	600 V	300 V	300 V	600 V

cUL Recognized 


		B	C	D
mm <sup>2</sup> /AWG/kcmil	20-8	20-8	20-8	20-8
Nominal current I <sub>N</sub>	30 A	30 A	30 A	5 A
Nominal voltage U <sub>N</sub>	600 V	300 V	300 V	600 V

CSA 

	B	C	D
mm <sup>2</sup> /AWG/kcmil	20-8	20-8	20-8
Nominal current I <sub>N</sub>	30 A	30 A	5 A
Nominal voltage U <sub>N</sub>	300 V	300 V	600 V

EAC
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EAC
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KEMA-KEUR 

Nominal current I <sub>N</sub>	30 A
Nominal voltage U <sub>N</sub>	500 V

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## Approvals

IECEE CB Scheme

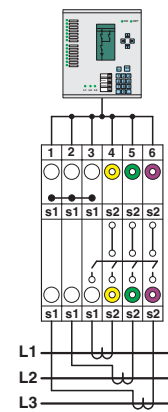
cULus Recognized

## Drawings

Circuit diagram

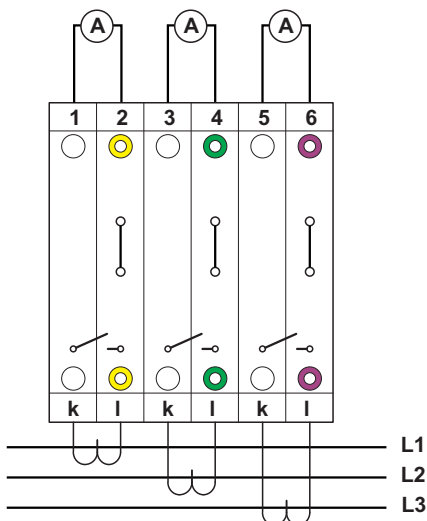


Schematic diagram

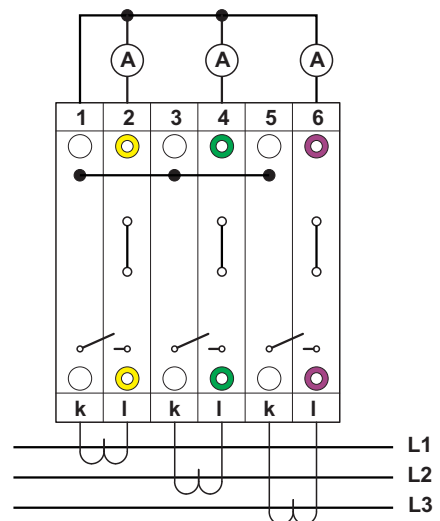


Interlinked three-phase current transformer set

Connection diagram

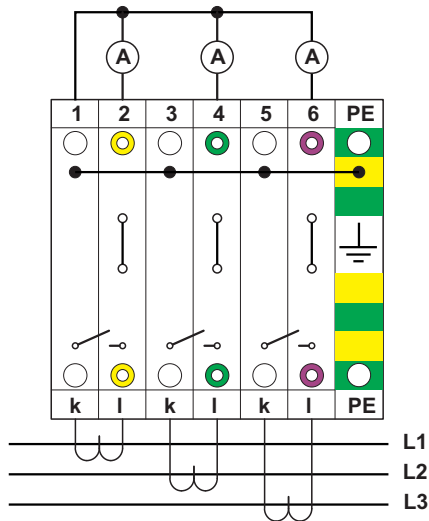


Connection diagram



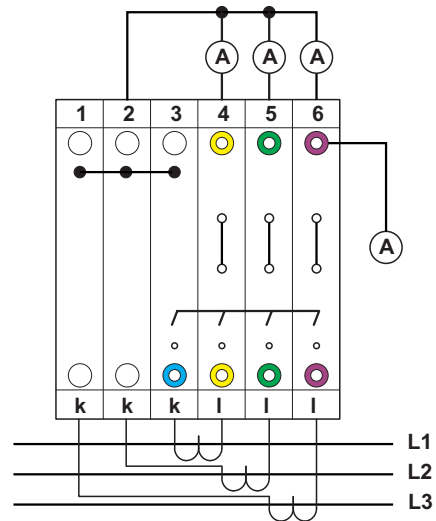
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Connection diagram



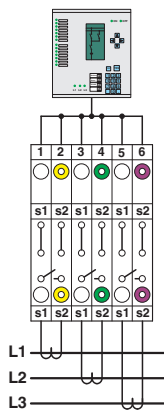
with PE terminals having the same contours

Connection diagram



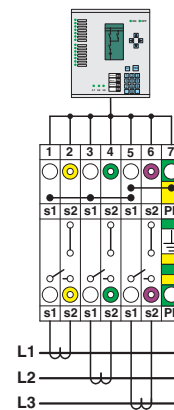
chained

Schematic diagram



Simple three-phase current transformer set

Schematic diagram



Interlinked three-phase current transformer set with grounded star point





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Test disconnect terminal block, Connection method: Push-in connection, Cross section: 0.5 mm <sup>2</sup> -10 mm <sup>2</sup> , AWG: 20 - 10, Width: 8.2 mm, Color: gray	3212170	PTME 6	<a href="#">Buy on EAN</a>