

## Test disconnect terminal block - URTK/S - 0311087

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Test disconnect terminal block, Connection method: Screw connection, Cross section: 0.5 mm<sup>2</sup> -10 mm<sup>2</sup> , AWG: 20 - 10, Width: 8.2 mm, Mounting type: NS 35/7,5, NS 35/15, NS 32, Color: gray

### Product Features

- Easy and clear testing in current transformer secondary circuits can be performed using the test disconnect terminal blocks of the URTK/S range
- On both sides of the disconnect point, the terminal block has a test socket which can also be used to switch across to neighboring terminal blocks



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 001292
Weight per Piece (excluding packing)	35.6 g
Custom tariff number	85369010
Country of origin	China

### 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

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## Technical data

### General

Connection in acc. with standard	IEC 60947-7-1
Nominal current $I_N$	41 A
Maximum load current	57 A (with 10 mm <sup>2</sup> conductor cross section)
Nominal voltage $U_N$	400 V
Open side panel	Yes
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand 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 rotation speed	10 rpm
Bending test turns	135
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 32/NS 35
Setpoint	5 N
Result of voltage-drop test	Test passed
Temperature-rise test	Test passed
Short circuit stability result	Test passed
Conductor cross section short circuit testing	6 mm <sup>2</sup>
Short-time current	0.72 kA
Conductor cross section short circuit testing	10 mm <sup>2</sup>
Short-time current	1.2 kA
Result of thermal test	Test passed

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## Technical data

### General

Proof of thermal characteristics (needle flame) effective duration	30 s
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

Length	72 mm
Width	8.2 mm
Height NS 35/7,5	51.5 mm
Height NS 35/15	59 mm
Height NS 32	56.5 mm

### Connection data

Note	Terminal point
Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	10 mm <sup>2</sup>
Conductor cross section flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	6 mm <sup>2</sup>
Conductor cross section AWG min.	20
Conductor cross section AWG max.	8
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.	4 mm <sup>2</sup>
2 conductors with same cross section, solid min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, solid max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	6 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	4 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>
Connection method	Screw connection
Stripping length	13 mm
Internal cylindrical gage	A5
Screw thread	M4

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## Technical data

### Connection data

Tightening torque, min	1.2 Nm
Tightening torque max	1.5 Nm
Disconnect element	M3 0.6 Nm 0.8 Nm

### 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
eCl@ss 9.0	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

# Test disconnect terminal block - URTK/S - 0311087

## Approvals

### Approvals

CSA / UL Recognized / KEMA-KEUR / cUL Recognized / DNV / RS / PRS / CCA / EAC / EAC / cULus Recognized

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### Ex Approvals


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### Approvals submitted

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## Approval details


CSA 	
mm <sup>2</sup> /AWG/kcmil	26-10
Nominal current I <sub>N</sub>	40 A
Nominal voltage U <sub>N</sub>	300 V

UL Recognized 	
mm <sup>2</sup> /AWG/kcmil	26-8
Nominal current I <sub>N</sub>	50 A
Nominal voltage U <sub>N</sub>	300 V

KEMA-KEUR 	
mm <sup>2</sup> /AWG/kcmil	6
Nominal voltage U <sub>N</sub>	400 V

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## Approvals

cUL Recognized 	
mm <sup>2</sup> /AWG/kcmil	26-8
Nominal current I <sub>N</sub>	50 A
Nominal voltage U <sub>N</sub>	300 V

DNV


RS

PRS

CCA	
mm <sup>2</sup> /AWG/kcmil	6
Nominal voltage U <sub>N</sub>	400 V

EAC

EAC

cULus Recognized 	
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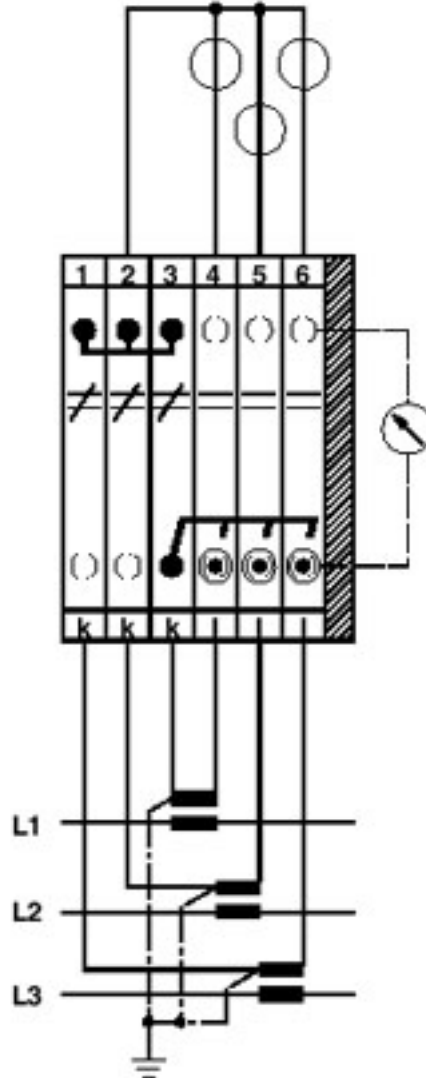
## Drawings

# Test disconnect terminal block - URTK/S - 0311087

Circuit diagram



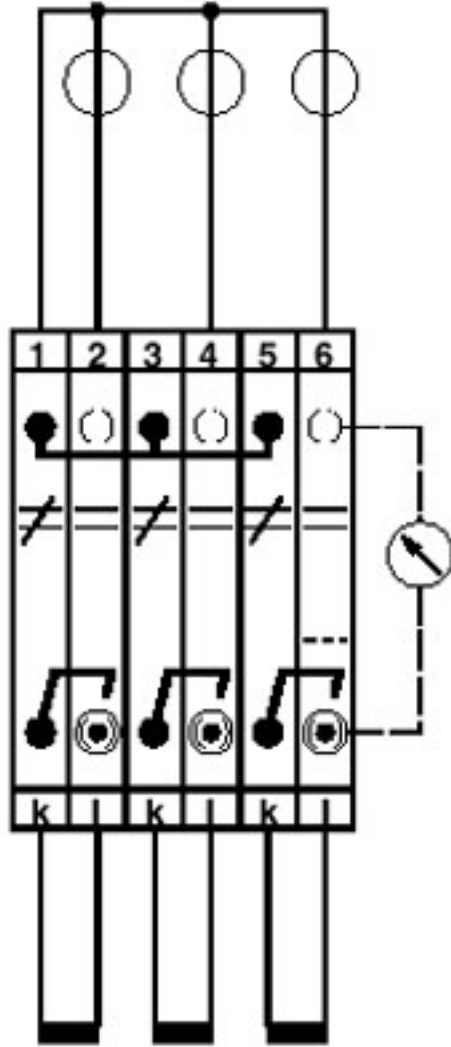
Schematic diagram



Three-phase linked transducer test set

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Schematic diagram

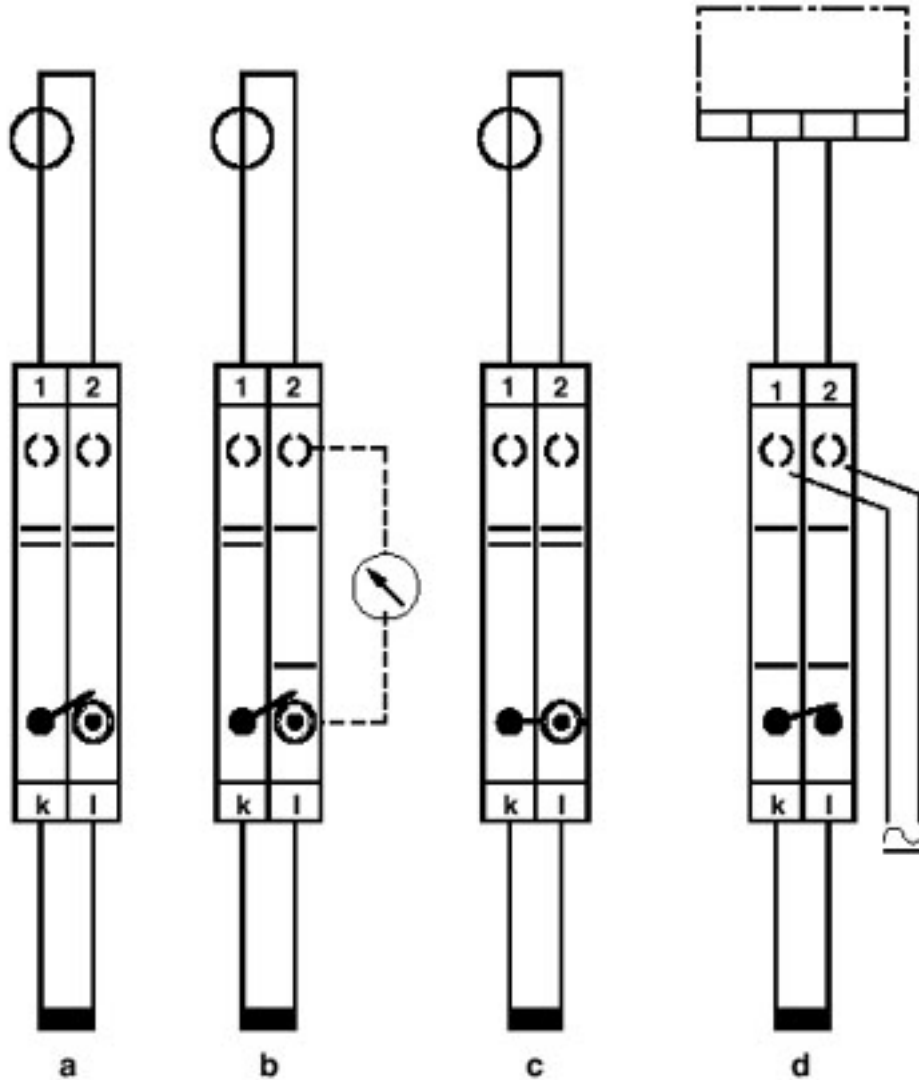


Three-phase transducer test set



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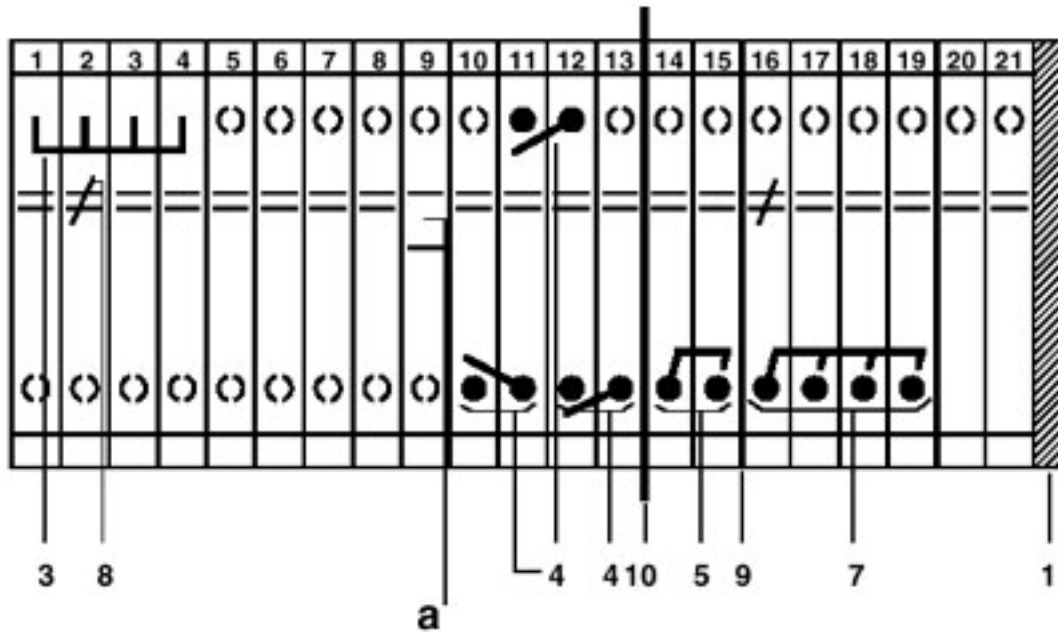
Schematic diagram



Simple current transformer test circuit  
a = normal operation  
b = measured value testing  
c = transformer short-circuit  
d = relay testing

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Circuit diagram



- a = open
- 1 = cover
- 3 = fixed bridge
- 4 = switch bar, for 2 terminal blocks, useable on both sides of the disconnect point, inward switching motion
- 5 = switch bar, for 2 terminal blocks, useable on both sides of the disconnect point, outward switching motion
- 7 = switch bar, for 3-phase short-circuiting of linked current transformer sets, only on the right
- 8 = switching lock, prevents disconnect slide from being actuated
- 9 = separating plate, for electrical separation of neighboring bridges in terminal center
- 10 = partition plate