# Test disconnect terminal block - URTK/S - 0311087

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Test disconnect terminal block, Connection method: Screw connection, Cross section: 0.5 mm² -10 mm² , AWG: 20 - 10, Width: 8.2 mm, Mounting type: NS 35/7,5, NS 35/15, NS 32, Color: gray

## Why buy this product

- 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 | 50 pc |
| GTIN | 4 017918 001292 |
| Weight per Piece (excluding packing) | 35.81 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

## Technical data

### General

| | |
|---|---|
| Number of levels | 1 |
| Number of connections | 2 |
| Color | gray |
| Insulating material | PA |
| Inflammability class according to UL 94 | V0 |
| 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 |
| Maximum load current (lower level) | 57 A |
| Additional text | with 10 mm² conductor cross section |

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## Technical data

### General

| | |
|---|---|
| Nominal current $I_N$ (lower level) | 41 A |
| Nominal voltage $U_N$ | 400 V |
| Open side panel | ja |
| Shock protection test specification | DIN EN 50274 (VDE 0660-514):2002-11 |
| Back of the hand protection | guaranteed |
| Surge voltage test setpoint | 7.3 kV |
| Result of surge voltage test | Test passed |
| Power frequency withstand voltage setpoint | 1.89 kV |
| Result of power-frequency withstand voltage test | Test passed |
| 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 mm² / 0.3 kg |
| | 6 $mm^2$ / 1.4 kg |
| | 10 mm² / 2 kg |
| Result of bending test | Test passed |
| Conductor cross section tensile test | 0.5 mm² |
| Tractive force setpoint | 20 N |
| Conductor cross section tensile test | 6 mm² |
| Tractive force setpoint | 80 N |
| Conductor cross section tensile test | 10 mm² |
| Tractive force setpoint | 90 N |
| Tensile test result | Test passed |
| Tight fit on carrier | NS 32/NS 35 |
| Setpoint | 5 N |
| Result of tight fit test | Test passed |
| Result of voltage drop test | Test passed |
| Temperature-rise test | Test passed |
| Conductor cross section short circuit testing | 6 mm² |
| Short-time current | 0.72 kA |
| Conductor cross section short circuit testing | 10 mm² |
| Short-time current | 1.2 kA |
| Short circuit stability result | Test passed |
| Proof of thermal characteristics (needle flame) effective duration | 30 s |
| Result of thermal test | Test passed |
| Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C |
| Static insulating material application in cold | -60 °C |

### Dimensions

| | |
|---|---|
| Length | 72 mm |

# Test disconnect terminal block - URTK/S - 0311087

## Technical data

### Dimensions

| | |
|---|---|
| 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 mm² |
| Conductor cross section solid max. | 10 mm² |
| Conductor cross section stranded min. | 0.5 mm² |
| Conductor cross section stranded max. | 6 mm² |
| Conductor cross section AWG/kcmil min. | 20 |
| Conductor cross section AWG/kcmil max | 8 |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.5 mm² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 6 mm² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.5 mm² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 4 mm² |
| 2 conductors with same cross section, solid min. | 0.5 mm² |
| 2 conductors with same cross section, solid max. | 2.5 mm² |
| 2 conductors with same cross section, stranded min. | 0.5 mm² |
| 2 conductors with same cross section, stranded max. | 6 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.5 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 4 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. | 4 mm² |
| Connection method | Screw connection |
| Stripping length | 13 mm |
| Internal cylindrical gage | A5 |
| Screw thread | M4 |
| Tightening torque, min | 1.2 Nm |
| Tightening torque max | 1.5 Nm |

## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 4.0 | 27141126 |
| eCl@ss 4.1 | 27141126 |

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## Classifications

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| 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

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

Ex Approvals

Approvals submitted

### Approval details

CSA

| | |
|---|---|
| mm²/AWG/kcmil | 26-10 |
| Nominal current IN | 40 A |
| Nominal voltage UN | 300 V |

# Test disconnect terminal block - URTK/S - 0311087

## Approvals

UL Recognized

| | |
|---|---|
| mm²/AWG/kcmil | 26-8 |
| Nominal current IN | 50 A |
| Nominal voltage UN | 300 V |

KEMA-KEUR

| | |
|---|---|
| mm²/AWG/kcmil | 6 |
| Nominal voltage UN | 400 V |

cUL Recognized

| | |
|---|---|
| mm²/AWG/kcmil | 26-8 |
| Nominal current IN | 50 A |
| Nominal voltage UN | 300 V |

LR

DNV

RS

PRS

CCA

| | |
|---|---|
| mm²/AWG/kcmil | 6 |
| Nominal voltage UN | 400 V |

GOST

# Test disconnect terminal block - URTK/S - 0311087

## Approvals

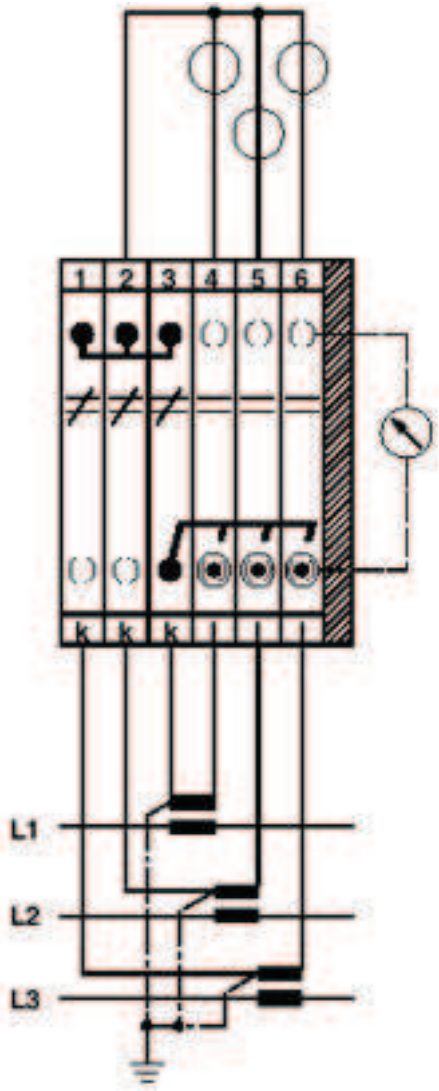
cULus Recognized

## Drawings

Circuit diagram



Schematic diagram




Three-phase linked transducer test set

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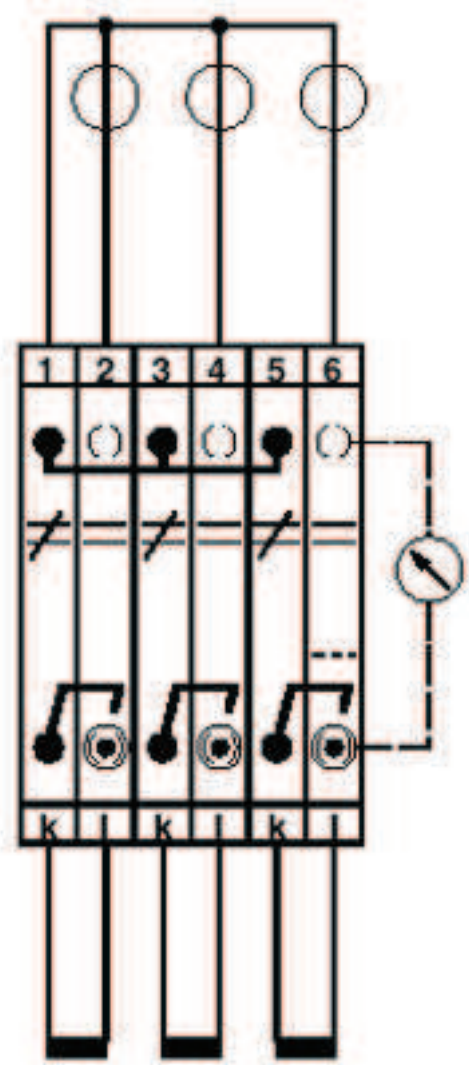
Schematic diagram




Three-phase transducer test set

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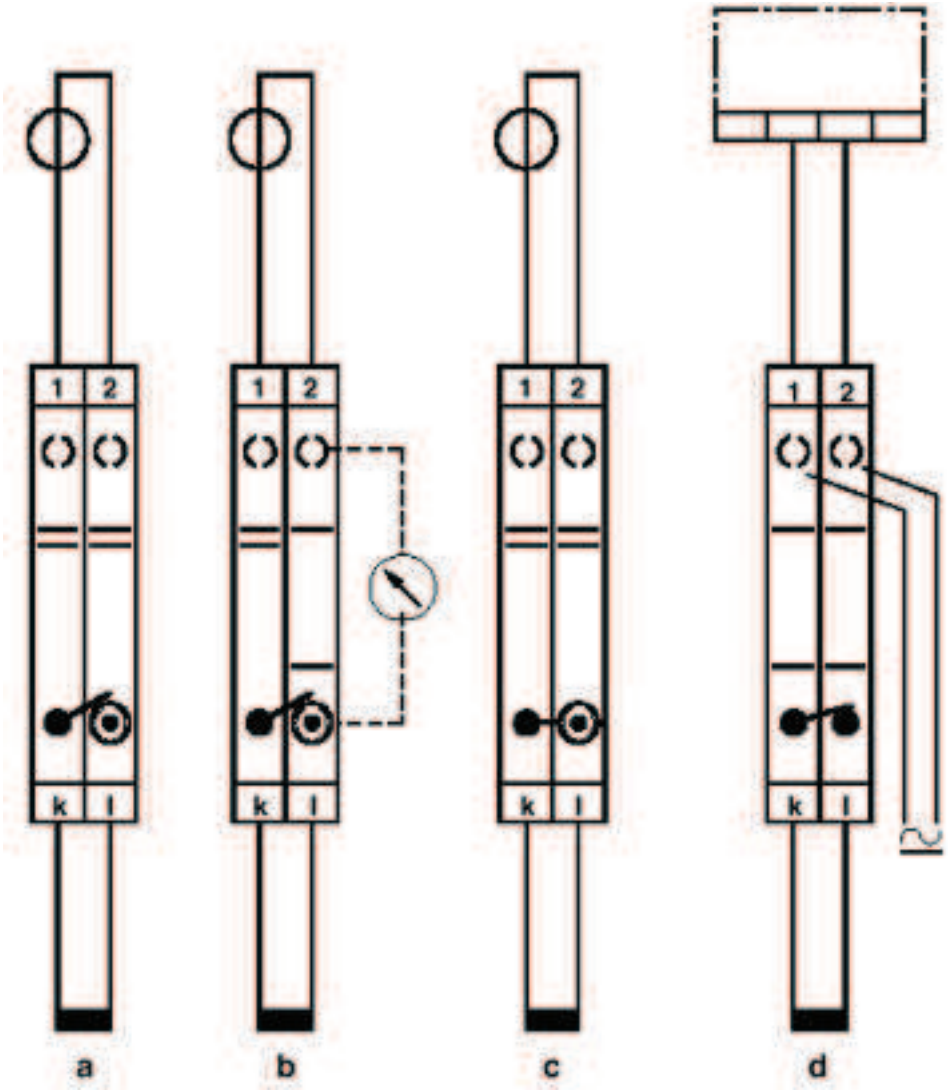
Schematic diagram




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

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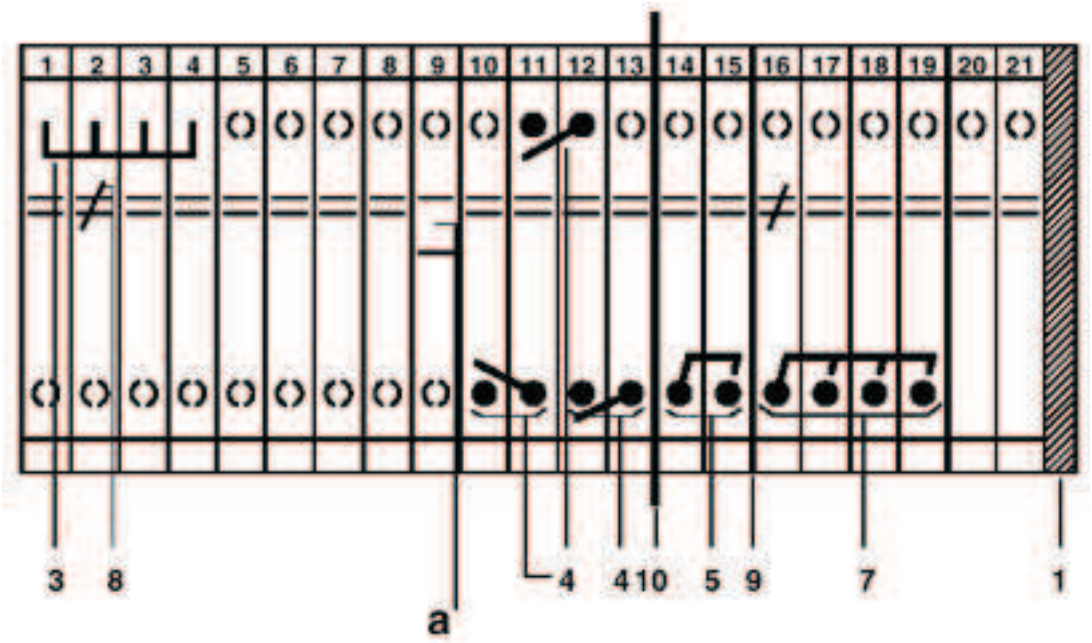
Circuit diagram




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-phasige 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