

# 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

package_quantity	50
GTIN	4017918001292

## Technical data

### General

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

### General

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 <sub>N</sub>	41 A
Nominal voltage U <sub>N</sub>	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

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## Technical data

### General

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 mm <sup>2</sup> / 0.3 kg
Bending test conductor cross section/weight	6 mm <sup>2</sup> / 1.4 kg
Bending test conductor cross section/weight	10 mm <sup>2</sup> / 2 kg
Result of bending test	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
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 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
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
Width	8.2 mm
Height NS 35/7,5	51.5 mm
Height NS 35/15	59 mm
Height NS 32	56 mm

### Connection data

Note	Terminal point
Conductor cross section solid min.	0.5 mm <sup>2</sup>

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## Technical data

### Connection data

Conductor cross section solid max.	10 mm <sup>2</sup>
Conductor cross section stranded min.	0.5 mm <sup>2</sup>
Conductor cross section stranded max.	6 mm <sup>2</sup>
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 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	6 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section stranded, 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
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
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
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# Test disconnect terminal block - URTK/S - 0311087

## classifications

### ETIM

<b>ETIM 3.0</b>	EC000902
<b>ETIM 4.0</b>	EC000902
<b>ETIM 5.0</b>	EC000902

### UNSPSC

<b>UNSPSC 6.01</b>	30211811
<b>UNSPSC 7.0901</b>	39121410
<b>UNSPSC 11</b>	39121410
<b>UNSPSC 12.01</b>	39121410
<b>UNSPSC 13.2</b>	39121410

## approvals

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

### Approval details

<b>CSA</b>	
Nominal voltage UN	300 V
Nominal current IN	40 A
mm <sup>2</sup> /AWG/kcmil	26-10

<b>UL Recognized</b>	
Nominal voltage UN	300 V
Nominal current IN	50 A
mm <sup>2</sup> /AWG/kcmil	26-8

<b>KEMA-KEUR</b>	
Nominal voltage UN	400 V
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	6

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## approvals

<b>cUL Recognized</b>	
Nominal voltage UN	300 V
Nominal current IN	50 A
mm <sup>2</sup> /AWG/kcmil	26-8

**LR**

**DNV**

**RS**

**PRS**

<b>CCA</b>	
Nominal voltage UN	400 V
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	6

**cULus Recognized**

## accessories

### End cover

D-URTK - 0310020



### Partition plate

# Test disconnect terminal block - URTK/S - 0311087

## accessories

TS-RTK - 0310211



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### Partition plate

ATS-RTK - 0310224



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### Terminal marking

SBS 8:UNBEDRUCKT - 1007235



ZB 8:UNBEDRUCKT - 1052002



UC-TM 8 - 0818072



# Test disconnect terminal block - URTK/S - 0311087

## accessories

UCT-TM 8 - 0828740



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## Screwdriver tools

SZS 1,0X4,0 VDE - 1205066



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## Cover profile

AP-ME METER - 3034361



APH-ME - 3034374



APT-ME - 3034358



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## Bridge

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

### accessories

FB 10- RTK/S - 0311171



EB 2- 8 - 0202154



EB 3- 8 - 0202141



EB 10- 8 - 0202138



ASB 2-RTK/S - 0311281



USB 2-RTK/S - 0311278





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

### accessories

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SB 4-RTK/S - 0311265



SB 2-RTK/S - 0311236



EB 4- 8 - 0202142



EB 3- 8/ST - 5020810



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### Switching lock

S - 0308359



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### Mounting rail

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

### accessories

NS 32 PERF 2000MM - 1201002



NS 32 UNPERF 2000MM - 1201015



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



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

### accessories

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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



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

### accessories

NS 35/15 PERF 2000MM - 1201730



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



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

### accessories

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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



### Labeled terminal marker

ZB 8 CUS - 0825011



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

### accessories

UC-TM 8 CUS - 0824597



UCT-TM 8 CUS - 0829616



### End block

CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



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

accessories

E/UK - 1201442



E/UK 1 - 1201413



**Test socket**

PSBJ-URTK/S RD - 0311744



PSBJ-URTK/S BU - 0311757



PSBJ-URTK/S YE - 0311731



# Test disconnect terminal block - URTK/S - 0311087

## accessories

PSBJ-URTK/S GN - 0311760



PSBJ-URTK/S VT - 0311773



PSBJ-URTK/S BK - 0311728



## Drawings

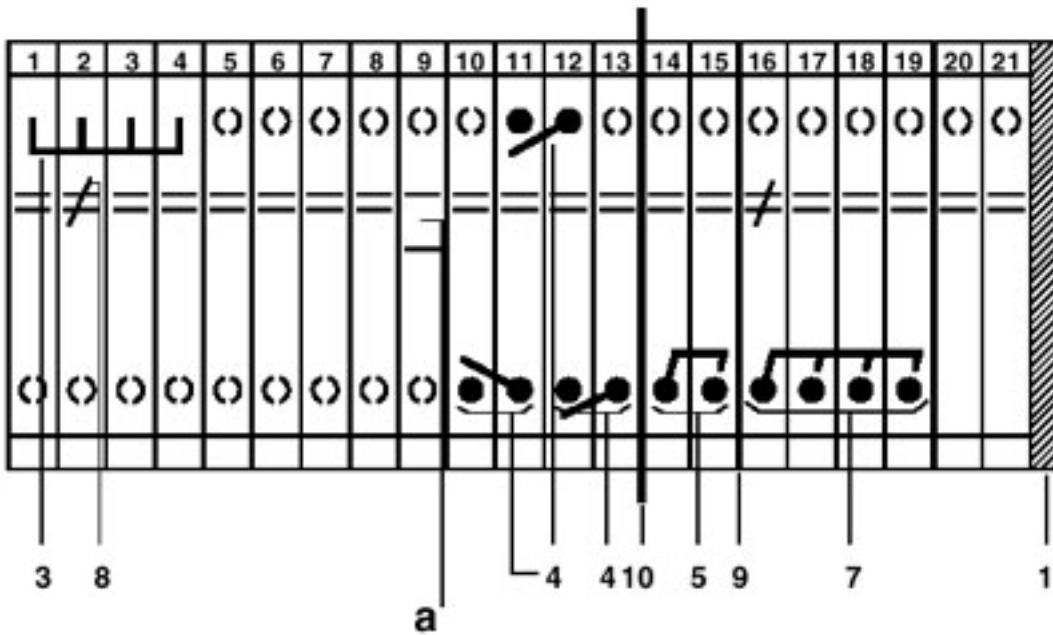
Circuit diagram





# Test disconnect terminal block - URTK/S - 0311087

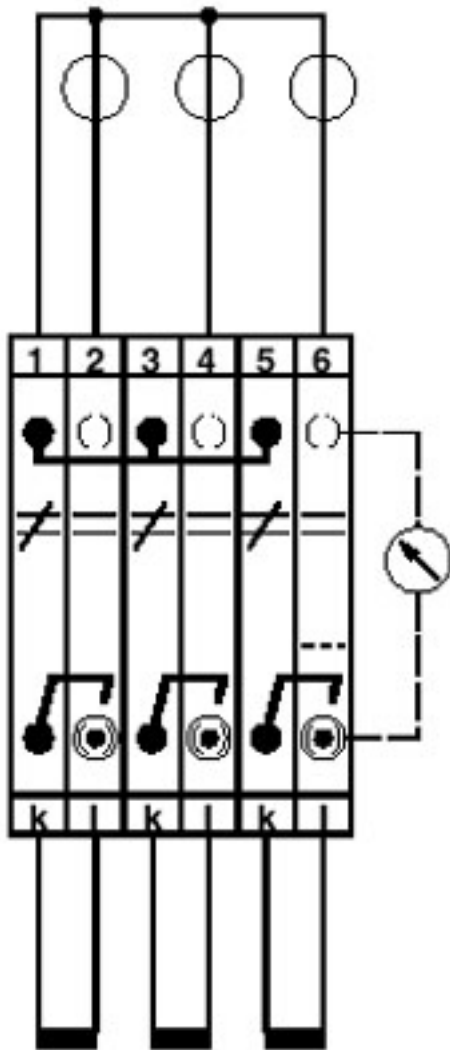
Circuit diagram



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

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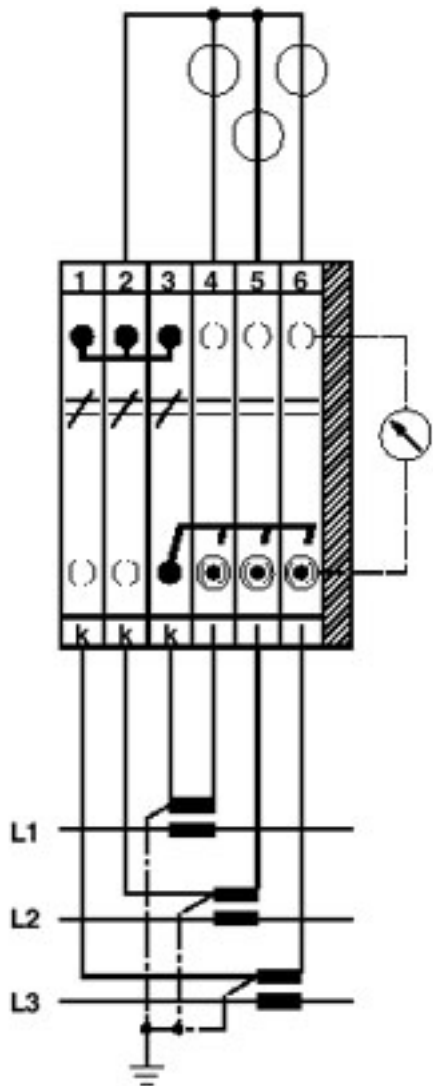
Schematic diagram



Three-phase transducer test set

# Test disconnect terminal block - URTK/S - 0311087

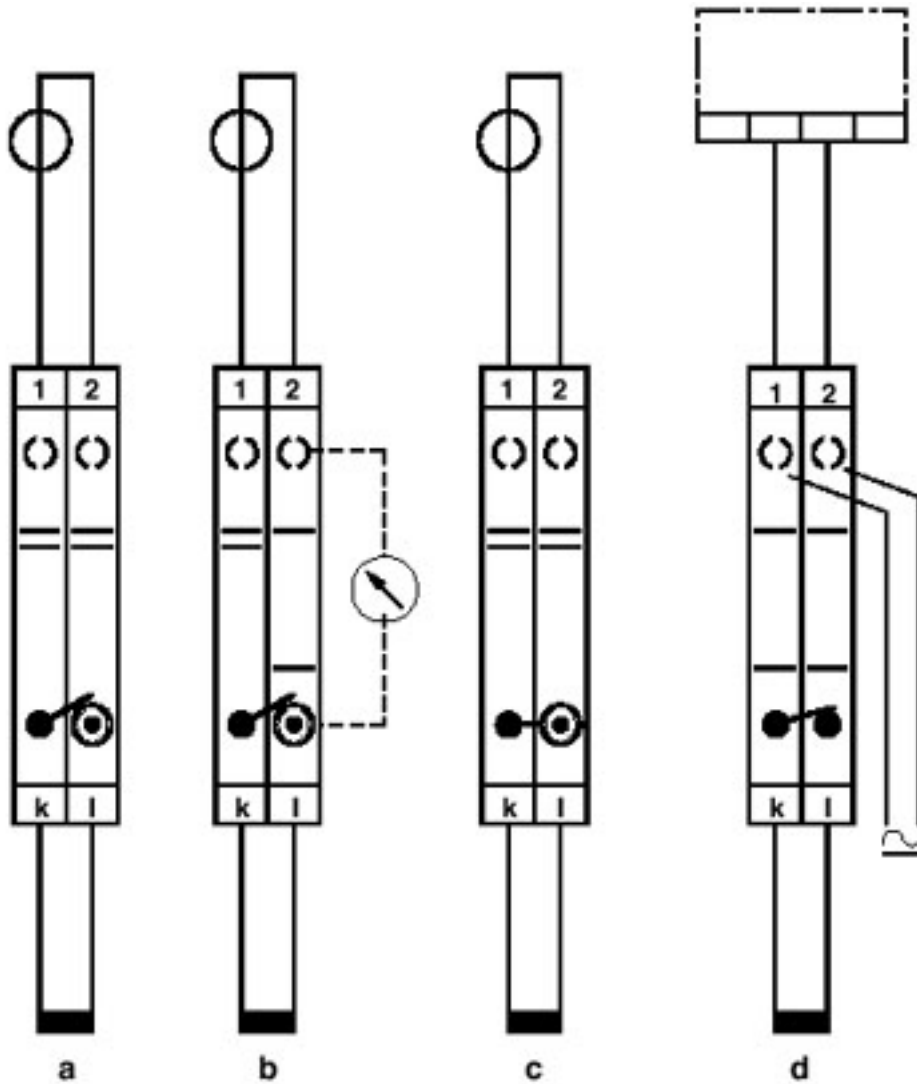
Schematic diagram



Three-phase linked 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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