

## Disconnect terminal block - URTK/S-BEN - 0309086

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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

### 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                                 | <br>4 017918 001025 |
| Weight per Piece (excluding packing) | 31.64 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                                   |
| Current                                 | 57 A  |
| Additional text                         | with 10 mm <sup>2</sup> conductor cross section |

# Disconnect terminal block - URTK/S-BEN - 0309086

## Technical data

### General

|                       |       |
|-----------------------|-------|
| Nominal current $I_N$ | 41 A  |
| Nominal voltage $U_N$ | 500 V |
| Open side panel       | ja    |

### Dimensions

|                  |         |
|------------------|---------|
| Length           | 61 mm   |
| Width            | 8.2 mm  |
| Height NS 35/7,5 | 58.5 mm |
| Height NS 35/15  | 66 mm   |
| Height NS 32     | 63.5 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 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>   |
| Cross section with insertion bridge, solid max.   | 10 mm <sup>2</sup>  |
| Cross section with insertion bridge, stranded max.                                      | 6 mm <sup>2</sup>   |
| Connection method   | Screw connection    |
| Stripping length  | 10 mm               |
| Screw thread  | M4                  |
| Tightening torque, min  | 1.5 Nm              |
| Tightening torque max   | 1.8 Nm              |

# Disconnect terminal block - URTK/S-BEN - 0309086

## Technical data

### Connection data

|                    |                  |
|--------------------|------------------|
| Disconnect element | M3 0.6 Nm 0.8 Nm |
|--------------------|------------------|

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141126 |
| eCl@ss 4.1 | 27141126 |
| eCl@ss 5.0 | 27141127 |
| eCl@ss 5.1 | 27141127 |
| eCl@ss 6.0 | 27141127 |
| 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

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#### Approvals

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

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#### Ex Approvals

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#### Approvals submitted

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#### Approval details

# Disconnect terminal block - URTK/S-BEN - 0309086

## Approvals

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

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

|                            |       |
|----------------------------|-------|
| KEMA-KEUR                  |       |
| mm <sup>2</sup> /AWG/kcmil | 6     |
| Nominal voltage UN         | 500 V |

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

|     |
|-----|
| DNV |
|-----|

|                            |       |
|----------------------------|-------|
| CCA                        |       |
| mm <sup>2</sup> /AWG/kcmil | 6     |
| Nominal voltage UN         | 500 V |

|    |
|----|
| RS |
|----|

|     |
|-----|
| PRS |
|-----|

## Disconnect terminal block - URTK/S-BEN - 0309086

### Approvals

cULus Recognized 

### Accessories

#### Accessories

##### End block

End clamp - CLIPFIX 35 - 3022218



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

End clamp - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

End clamp - E/UK - 1201442



End clamp, for assembly on NS 32 or NS 35/7.5 DIN rail

## Disconnect terminal block - URTK/S-BEN - 0309086

### Accessories

End clamp - E/UK 1 - 1201413



End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

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### End cover

End cover - D-URTK/S-BEN - 0308029



End cover, Length: 61 mm, Width: 2.2 mm, Color: gray

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### Insertion bridge

Insertion bridge - EB 2- 8 - 0202154



Insertion bridge, Number of positions: 2, Color: gray

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Insertion bridge - EB 3- 8 - 0202141



Insertion bridge, Number of positions: 3, Color: gray

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Insertion bridge - EB 10- 8 - 0202138



Insertion bridge, Number of positions: 10, Color: gray

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## Disconnect terminal block - URTK/S-BEN - 0309086

### Accessories

Insertion bridge - EB 4- 8 - 0202142



Insertion bridge, Number of positions: 4, Color: gray

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### Labeled terminal marker

Zack marker strip - ZB 8 CUS - 0825011



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm

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Marker for terminal blocks - UC-TM 8 CUS - 0824597



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 7.6 x 10.5 mm

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Marker for terminal blocks - UCT-TM 8 CUS - 0829616



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 7.6 x 10.5 mm

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Zack marker strip - ZB 8,LGS:FORTL.ZAHLEN - 1052015



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm

## Disconnect terminal block - URTK/S-BEN - 0309086

### Accessories

Zack marker strip - ZB 8,QR:FORTL.ZAHLEN - 1052028



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm

Marker for terminal blocks - ZB 8,LGS:L1-N,PE - 1052413



Marker for terminal blocks, Strip, white, labeled, can be labeled with: Plotter, Horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm

### Mounting rail

DIN rail perforated - NS 32 PERF 2000MM - 1201002



G-profile DIN rail, material: Steel, perforated, height 15 mm, width 32 mm, length 2 m

DIN rail, unperforated - NS 32 UNPERF 2000MM - 1201015



G-profile DIN rail, material: Steel, unperforated, height 15 mm, width 32 mm, length 2 m

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

## Disconnect terminal block - URTK/S-BEN - 0309086

### Accessories

DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681



DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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DIN rail perforated - NS 35/ 7,5 WH PERF 2000MM - 1204119



DIN rail 35 mm (NS 35)

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DIN rail - NS 35/ 7,5 WH UNPERF 2000MM - 1204122



DIN rail 35 mm (NS 35)

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DIN rail, unperforated - NS 35/ 7,5 AL UNPERF 2000MM - 0801704



DIN rail, unperforated, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver

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DIN rail perforated - NS 35/ 7,5 ZN PERF 2000MM - 1206421



DIN rail, material: Galvanized, perforated, height 7.5 mm, width 35 mm, length: 2 m

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## Disconnect terminal block - URTK/S-BEN - 0309086

### Accessories

DIN rail, unperforated - NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



DIN rail, material: Galvanized, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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DIN rail, unperforated - NS 35/ 7,5 CU UNPERF 2000MM - 0801762



DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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End cap - NS 35/ 7,5 CAP - 1206560



DIN rail end piece, for DIN rail NS 35/7.5

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DIN rail perforated - NS 35/15 PERF 2000MM - 1201730



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

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DIN rail, unperforated - NS 35/15 UNPERF 2000MM - 1201714



DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

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## Disconnect terminal block - URTK/S-BEN - 0309086

### Accessories

DIN rail perforated - NS 35/15 WH PERF 2000MM - 0806602



DIN rail 35 mm (NS 35)

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DIN rail - NS 35/15 WH UNPERF 2000MM - 1204135



DIN rail 35 mm (NS 35)

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DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756



DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm

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DIN rail perforated - NS 35/15 ZN PERF 2000MM - 1206599



DIN rail, material: Galvanized, perforated, height 15 mm, width 35 mm, length: 2 m

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DIN rail, unperforated - NS 35/15 ZN UNPERF 2000MM - 1206586



DIN rail, material: Galvanized, unperforated, height 15 mm, width 35 mm, length: 2 m

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## Disconnect terminal block - URTK/S-BEN - 0309086

### Accessories

DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM - 1201895



DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

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End cap - NS 35/15 CAP - 1206573



DIN rail end piece, for DIN rail NS 35/15

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DIN rail, unperforated - NS 35/15-2,3 UNPERF 2000MM - 1201798



DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

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### Partition plate

Separating plate - TS-RTK-BEN - 0308210



Separating plate, Length: 61 mm, Width: 0.8 mm, Color: gray

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Partition plate - ATS-RTK-BEN - 0308223



Partition plate, Length: 61 mm, Width: 0.8 mm, Height: 58.5 mm, Color: gray

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### Screwdriver tools

## Disconnect terminal block - URTK/S-BEN - 0309086

### Accessories

Screwdriver - SZG 0,9X6,5 VDE - 1205134



Screwdriver, slot-headed, graded, for test socket screws, size: 0.9 x 6.5 x 175 mm, 2-component grip, with non-slip grip

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### Short-circuit connector

Short-circuit connector - KSS 4- 8 - 0309549



Short-circuit connector, Number of positions: 4, Color: black

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### Switching lock

Switching lock - S - 0308359



Switching lock, Length: 12 mm, Width: 8.2 mm, Color: white

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### Terminal marking

Marker card - SBS 8:UNBEDRUCKT - 1007235



Marker card, Card, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, Snap into flat marker groove, for terminal block width: 8.2 mm, Lettering field: 6 x 8.1 mm

Zack marker strip - ZB 8:UNBEDRUCKT - 1052002



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm

## Disconnect terminal block - URTK/S-BEN - 0309086

### Accessories

#### Marker for terminal blocks - UC-TM 8 - 0818072



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 7.6 x 10.5 mm

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#### Marker for terminal blocks - UCT-TM 8 - 0828740



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 7.6 x 10.5 mm

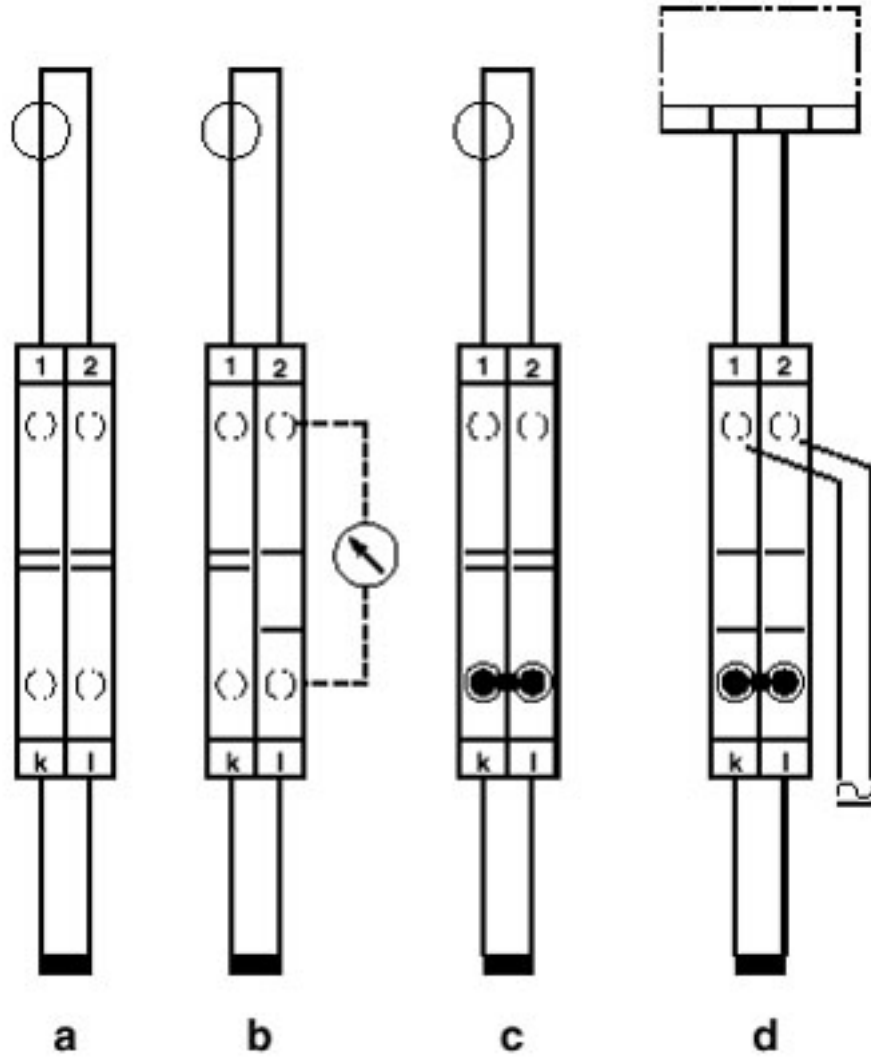
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### Drawings

# Disconnect terminal block - URTK/S-BEN - 0309086

Circuit diagram

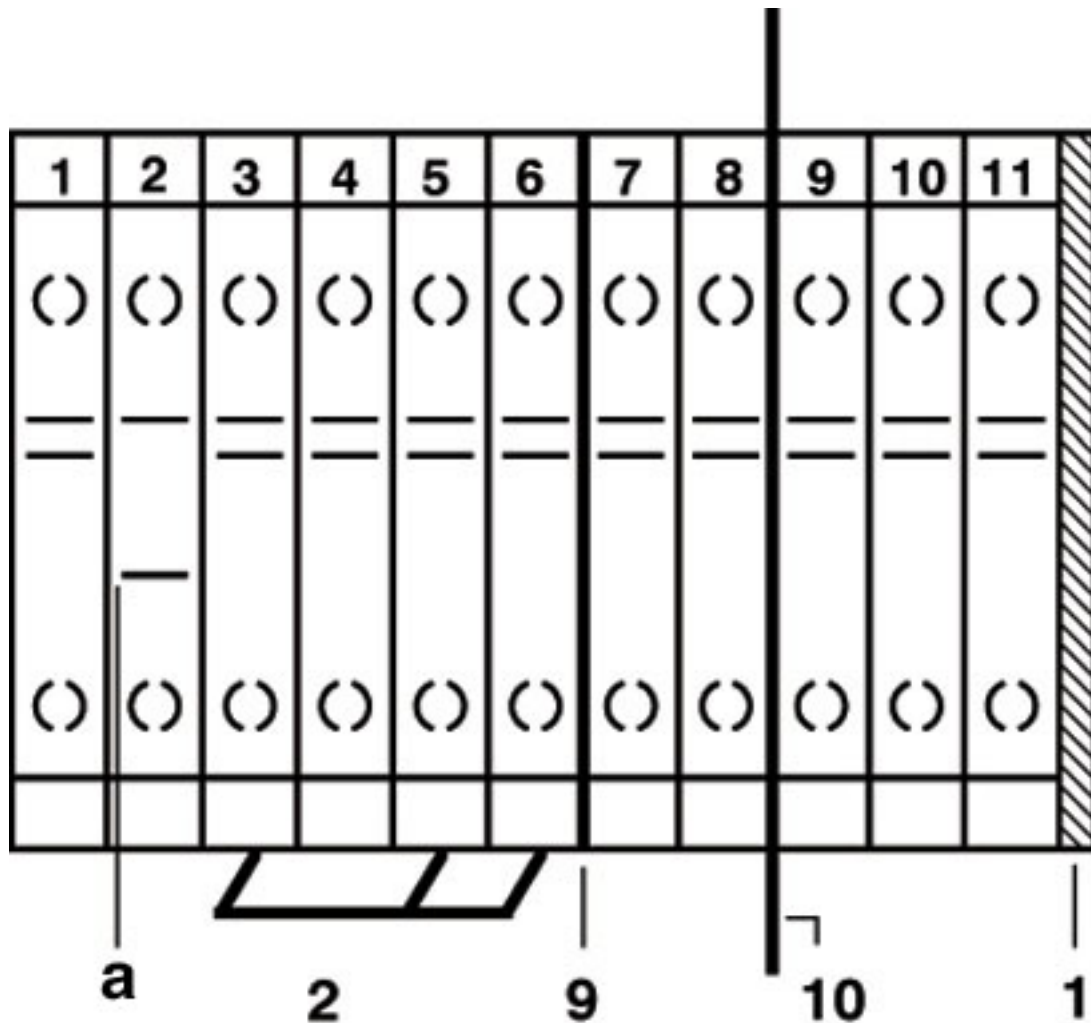
Schematic diagram



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

# Disconnect terminal block - URTK/S-BEN - 0309086

Circuit diagram



- a = open
- 1 = cover
- 2 = insertion bridge
- 9 = separating plate
- 10 = partition plate