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# Disconnect terminal block - URTK/S-IB - 0710947

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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

The figure shows a version of the article

## Key commercial data

| Packing unit | 1 1 |
|---|---|
| Weight per Piece (excluding packing) | 35.2 GRM |
| 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 |
| Maximum load current | 57 A (with 10 mm² conductor cross section) |
| 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 $I_N$ | 41 A |
| Nominal voltage $U_N$ | 400 V |
| Open side panel | ja |

# Disconnect terminal block - URTK/S-IB - 0710947

## Technical data

### Dimensions

| Width | 8.2 mm |
|---|---|
| Length | 72 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 mm² |
| Conductor cross section solid max. | 10 mm² |
| Conductor cross section AWG/kcmil min. | 20 |
| Conductor cross section AWG/kcmil max | 8 |
| Conductor cross section stranded min. | 0.5 mm² |
| Conductor cross section stranded max. | 6 mm² |
| Min. AWG conductor cross section, stranded | 20 |
| Max. AWG conductor cross section, stranded | 10 |
| 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, TWIN ferrules with plastic sleeve, min. | 0.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 4 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 |
| 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 |

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## 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 | 27141127 |
| eCl@ss 8.0 | 27141127 |

### 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

GOST

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Ex Approvals

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Approvals submitted

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Approval details

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## Approvals

GOST ℗

## Accessories

Accessories

Bridge

Fixed bridge - FB 10- RTK/S - 0311171

Fixed bridge, Number of positions: 10, Color: silver

Insertion bridge - EB 2- 8 - 0202154

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

Insertion bridge - EB 3- 8 - 0202141

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

Insertion bridge - EB 10- 8 - 0202138

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

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## Accessories

Switching jumper - ASB 2-RTK/S - 0311281

Switching jumper, Number of positions: 2, Color: silver

Switching jumper - USB 2-RTK/S - 0311278

Switching jumper, Number of positions: 2, Color: silver

Switching jumper - SB 4-RTK/S - 0311265

Switching jumper, Number of positions: 4, Color: silver

Switching jumper - SB 2-RTK/S - 0311236

Switching jumper, Number of positions: 2, Color: silver

Insertion bridge - EB 4- 8 - 0202142

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

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## Accessories

Insertion bridge - EB 3- 8/ST - 5020810

Insertion bridge

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## Cover profile

Cover profile - AP-ME METER - 3034361

Cover profile, for covering terminal strips, snapped onto APT-ME cover profile carrier or APH-ME end bracket. A cover profile carrier should be positioned at the ends and at intervals of around 40 cm. Length supplied: 1 m

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Cover profile - APH-ME - 3034374

Cover profile carrier for mounting on NS 35/7.5 DIN rail for attaching the cover profile AP-ME

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Cover profile - APT-ME - 3034358

Cover profile carrier for mounting on NS 35/7.5 DIN rail for attaching the cover profile AP-ME

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## 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

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## Accessories

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

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

End cover

End cover - D-URTK - 0310020

End cover, Length: 72 mm, Width: 2.2 mm, Height: 41.5 mm, Color: gray

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## Accessories

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

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

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

Mounting rail

DIN rail - NS 32 PERF 2000MM - 1201002

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

DIN rail - NS 32 UNPERF 2000MM - 1201015

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

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## Accessories

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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

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DIN rail - 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 - 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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## Accessories

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

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

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

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

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

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

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

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

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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## Accessories

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

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

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

DIN rail 35 mm (NS 35)

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

DIN rail 35 mm (NS 35)

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

DIN rail - 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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## Accessories

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

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

DIN rail - 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

End cap - NS 35/15 CAP - 1206573

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

DIN rail - 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

Partition plate

Separating plate - TS-RTK - 0310211

Separating plate, Length: 72 mm, Width: 0.8 mm, Color: gray

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## Accessories

Partition plate - ATS-RTK - 0310224

Partition plate, Length: 72 mm, Width: 0.8 mm, Height: 51.5 mm, Color: gray

## Screwdriver tools

Screwdriver - SZS 1,0X4,0 VDE - 1205066

Screwdriver, slot-headed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip

## Switching lock

Switching lock - S-URTK/SP - 0311155

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

Switching lock - S - 0308359

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

## Terminal marking

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## Accessories

Marker cards - SBS 8:UNBEDRUCKT - 1007235

Marker cards, 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

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

Marker for terminal blocks - UCT-TM 8 - 0828740

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

## Test socket

Female test connector - PSBJ-URTK/S RD - 0311744

Female test connector, Color: red

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## Accessories

Female test connector - PSBJ-URTK/S BU - 0311757

Female test connector, Color: blue

Female test connector - PSBJ-URTK/S YE - 0311731

Female test connector, Color: yellow

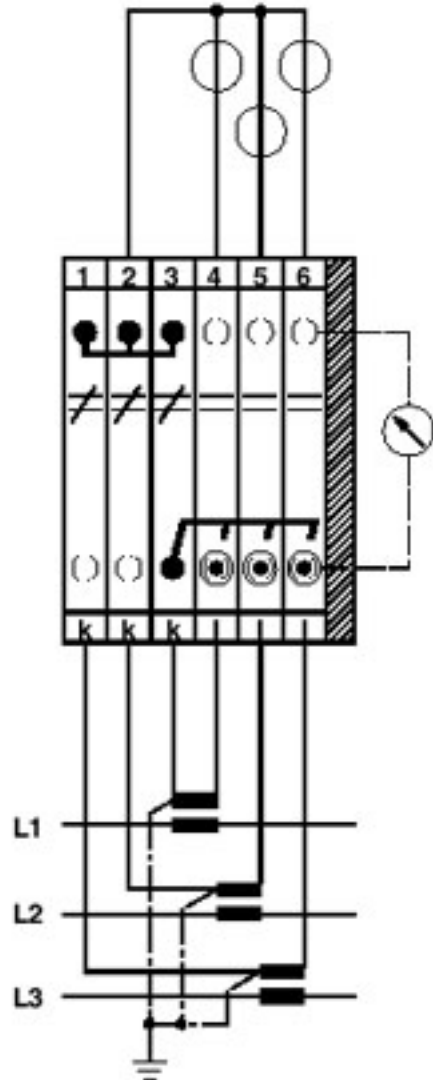Female test connector - PSBJ-URTK/S GN - 0311760

Female test connector, Color: green

Female test connector - PSBJ-URTK/S VT - 0311773

Female test connector, Color: violet

Female test connector - PSBJ-URTK/S BK - 0311728

Female test connector, Color: black

## Drawings

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Circuit diagram
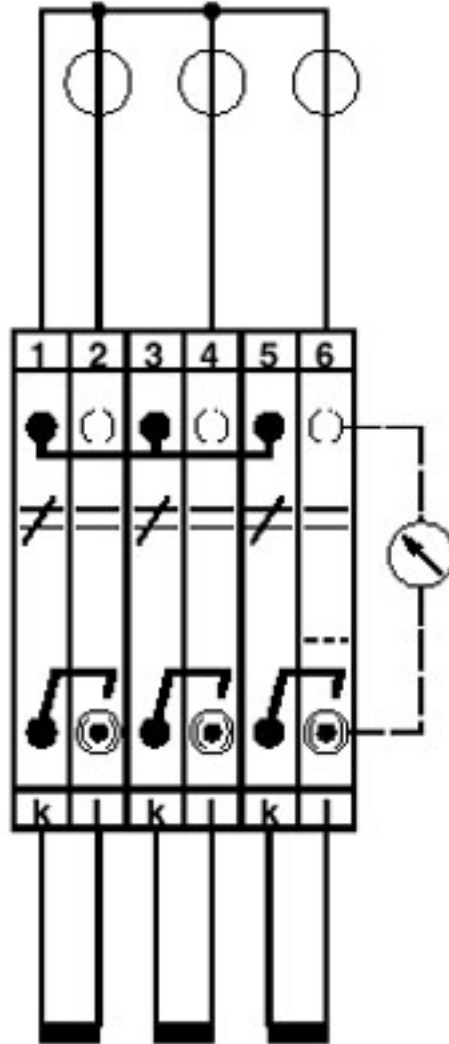
Schematic diagram

Three-phase linked transducer test set

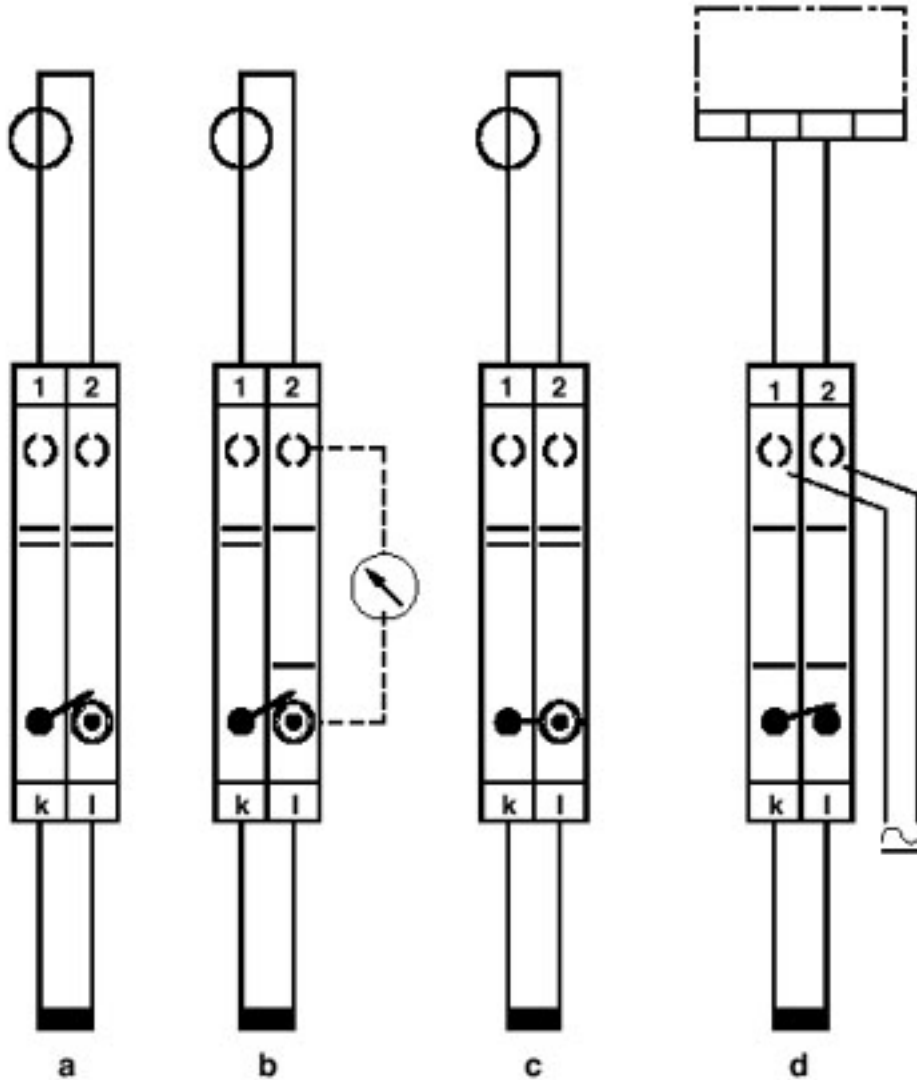# Disconnect terminal block - URTK/S-IB - 0710947

Schematic diagram



Three-phase transducer test set

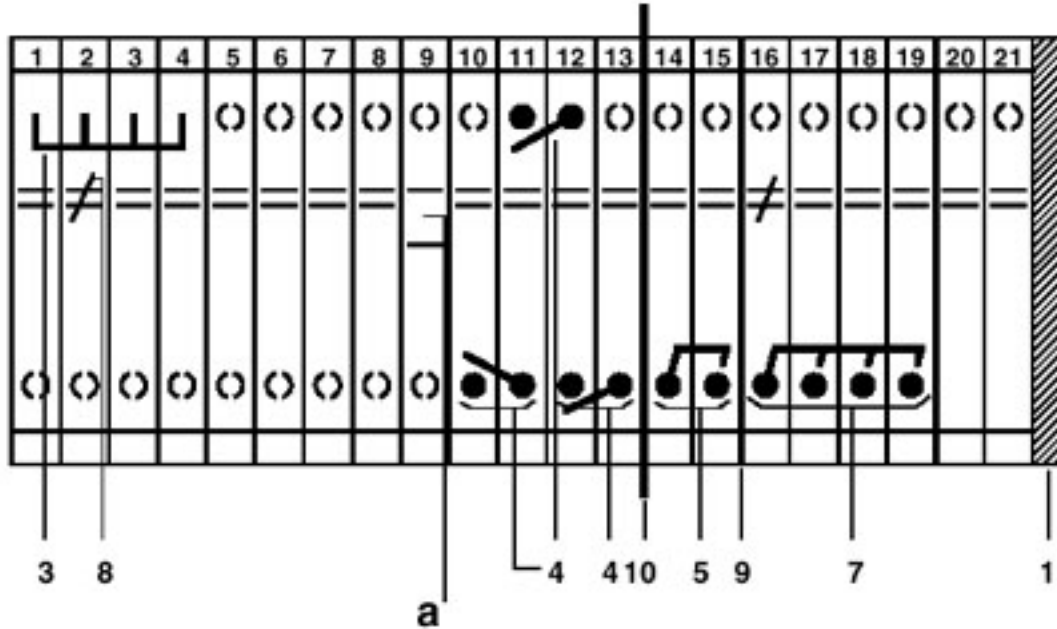# Disconnect terminal block - URTK/S-IB - 0710947

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