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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
Current	57 A
Additional text	with 10 mm² conductor cross section

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Technical data

General

Nominal current I_N	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 mm² / 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

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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
Disconnect element	M3 0.6 Nm 0.8 Nm

Classifications

eCl@ss

eCl@ss 4.0	27141126

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Classifications

eCl@ss

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
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 / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

CSA	
mm²/AWG/kcmil	26-10
Nominal current IN	40 A

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Approvals

Nominal voltage UN	300 V

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

EAC

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Approvals

cULus Recognized c **RU** us

Accessories

Accessories

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

Cover profile - APT-ME - 3034358

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

End block

End clamp - APH-ME - 3034374

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

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

Insertion bridge

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Accessories

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

Insertion bridge - EB 4- 8 - 0202142

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

Insertion bridge - EB 3- 8/ST - 5020810

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

Labeled terminal marker

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Accessories

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

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

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

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Accessories

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

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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Accessories

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

DIN rail 35 mm (NS 35)

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

DIN rail 35 mm (NS 35)

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

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

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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Accessories

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

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

DIN rail 35 mm (NS 35)

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Accessories

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

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

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

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

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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Accessories

End cap - NS 35/15 CAP - 1206573

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

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 - 0310211

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

Partition plate - ATS-RTK - 0310224

Partition plate, Length: 97.5 mm, Width: 0.8 mm, Height: 45.8 mm, Color: gray

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Screw bridge

Fixed bridge - FB 10- RTK/S - 0311171

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

Screwdriver tools

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Accessories

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 jumper

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

Switching lock

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Accessories

Switching lock - S - 0308359

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

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

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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

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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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Test socket

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Accessories

Female test connector - PSBJ 3,5/18/6 FARBLOS - 0311391

Female test connector, Color: transparent

Female test connector - PSBJ 3,5/18/6 BK - 0311388

Female test connector, Color: black

Female test connector - PSBJ 3,5/18/6 GY - 0311375

Female test connector, Color: gray

Female test connector - PSBJ 3,5/18/6 VT - 0311362

Female test connector, Color: violet

Female test connector - PSBJ 3,5/18/6 GN - 0311359

Female test connector, Color: green

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Accessories

Female test connector - PSBJ 3,5/18/6 YE - 0311346

Female test connector, Color: yellow

Female test connector - PSBJ 3,5/18/6 BU - 0311333

Female test connector, Color: blue

Female test connector - PSBJ 3,5/18/6 RD - 0311320

Female test connector, Color: red

Female test connector - PSBJ 3,5/18/6 WH - 0311317

Female test connector, Color: white

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

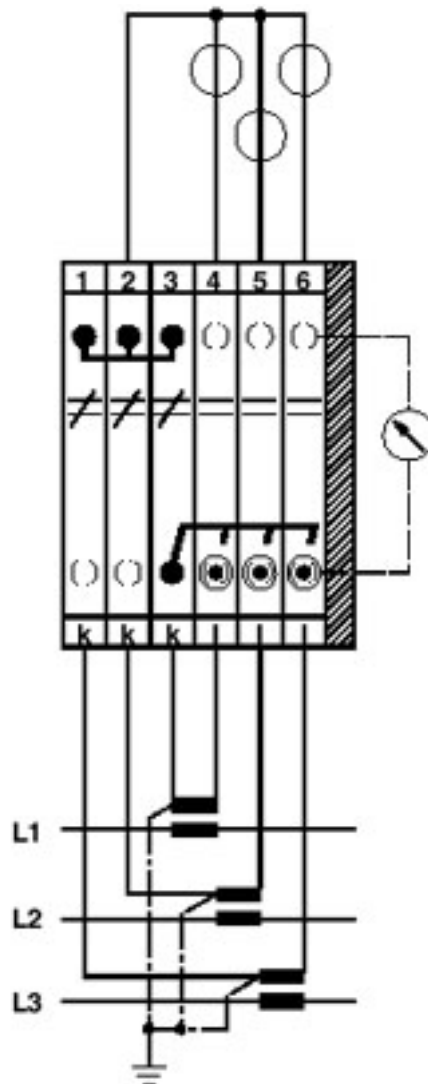Female test connector - PSBJ-URTK/S YE - 0311731

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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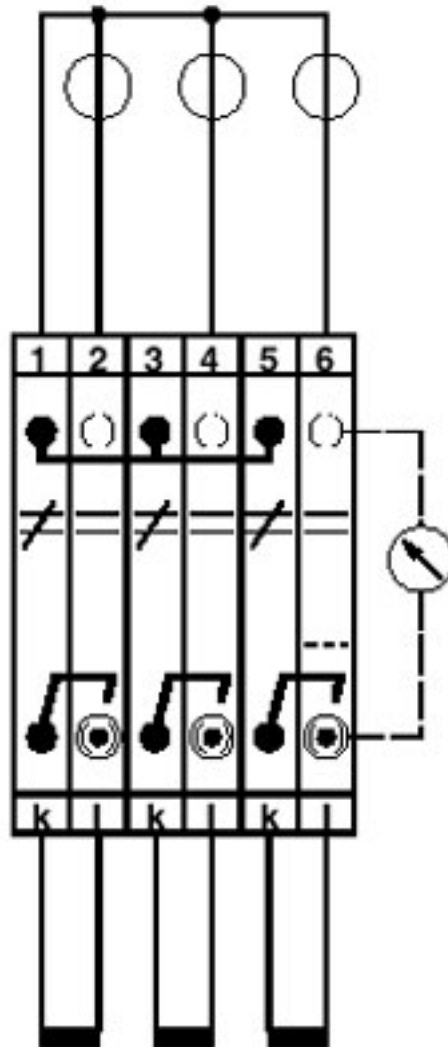# Test disconnect terminal block - URTK/S - 0311087

Circuit diagram

Schematic diagram

Three-phase linked transducer test set
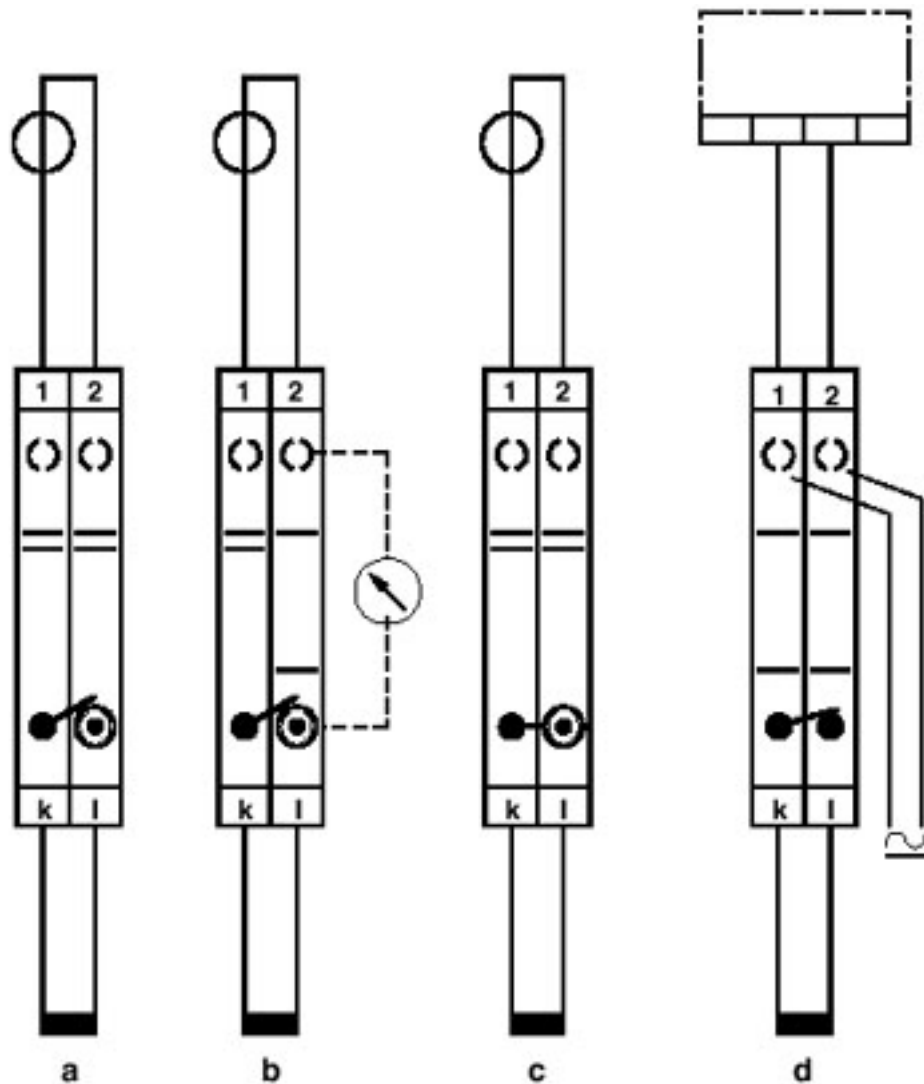
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Schematic diagram

Three-phase transducer test set

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Schematic diagram

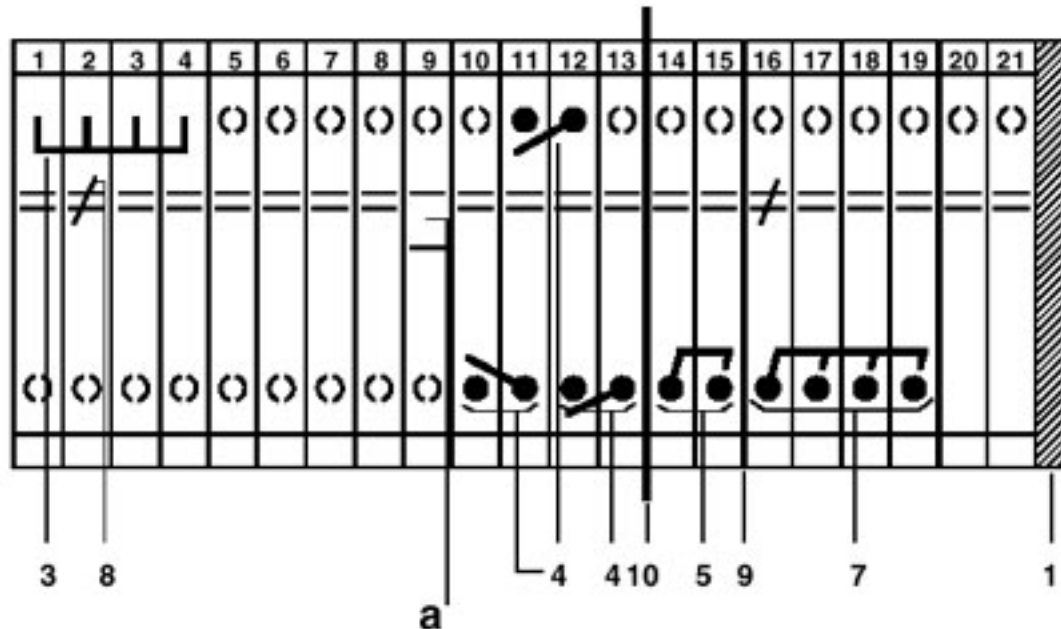Simple current transformer test circuit
a = normal operation
b = measured value testing
c = transformer short-circuit
d = relay testing

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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-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