

Disconnect terminal block - URTK/SP - 0311126

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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

Product Features

- Touch-proof test sockets with 4 mm diameter are already permanently integrated
- The terminal blocks can be fitted with fixed and switchable bridges on both sides



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 001315
Weight per Piece (excluding packing)	38.21 g
Custom tariff number	85369010
Country of origin	Turkey

Technical data

General

Number of levels	1
Number of connections	2
Nominal cross section	6 mm ²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I

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Technical data

General

Connection in acc. with standard	IEC 60947-7-1
Nominal current I_N	41 A
Maximum load current	50 A (with 10 mm ² conductor cross section)
Nominal voltage U_N	500 V
Open side panel	No
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Result of surge voltage test	Test passed
Surge voltage test setpoint	7.3 kV
Result of power-frequency withstand voltage test	Test passed
Power frequency withstand voltage setpoint	1.89 kV
Result of the test for mechanical stability of terminal points (5 x conductor connection)	Test passed
Result of bending test	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	0.5 mm ² / 0.3 kg
	6 mm ² / 1.4 kg
	10 mm ² / 2 kg
Tensile test result	Test passed
Conductor cross section tensile test	0.5 mm ²
Tractive force setpoint	30 N
Conductor cross section tensile test	6 mm ²
Tractive force setpoint	80 N
Conductor cross section tensile test	10 mm ²
Tractive force setpoint	90 N
Result of tight fit on support	Test passed
Tight fit on carrier	NS 32/NS 35
Setpoint	5 N
Result of voltage-drop test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Temperature-rise test	Test passed
Short circuit stability result	Test passed
Conductor cross section short circuit testing	6 mm ²
Short-time current	0.72 kA
Conductor cross section short circuit testing	10 mm ²

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Technical data

General

Short-time current	1.2 kA
Result of thermal test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C

Dimensions

Length	99.5 mm
Width	8.2 mm
Height NS 35/7,5	59 mm
Height NS 35/15	66.5 mm
Height NS 32	64 mm

Connection data

Note	Terminal point
Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	10 mm ²
Conductor cross section flexible min.	0.5 mm ²
Conductor cross section flexible max.	6 mm ²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	8
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm ²
2 conductors with same cross section, solid min.	0.5 mm ²
2 conductors with same cross section, solid max.	2.5 mm ²
2 conductors with same cross section, stranded min.	0.5 mm ²
2 conductors with same cross section, stranded max.	4 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	2.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm ²
Connection method	Screw connection
Stripping length	11 mm

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Technical data

Connection data

Screw thread	M4
Tightening torque, min	1.5 Nm
Tightening torque max	1.8 Nm
Disconnect element	M3 0.6 Nm 0.8 Nm

Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1
Flammability rating according to UL 94	V0

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	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

Approvals

CSA / UL Recognized / KEMA-KEUR / cUL Recognized / PRS / CCA / EAC / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

CSA 	
mm²/AWG/kcmil	26-8
Nominal current I _N	45 A
Nominal voltage U _N	300 V

UL Recognized 	
mm²/AWG/kcmil	26-8
Nominal current I _N	45 A
Nominal voltage U _N	300 V

KEMA-KEUR 	
mm²/AWG/kcmil	6
Nominal voltage U _N	500 V

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Approvals

cUL Recognized 	
mm²/AWG/kcmil	26-8
Nominal current I _N	45 A
Nominal voltage U _N	300 V

PRS

CCA	
mm²/AWG/kcmil	6
Nominal voltage U _N	500 V

EAC

EAC

cULus Recognized 	
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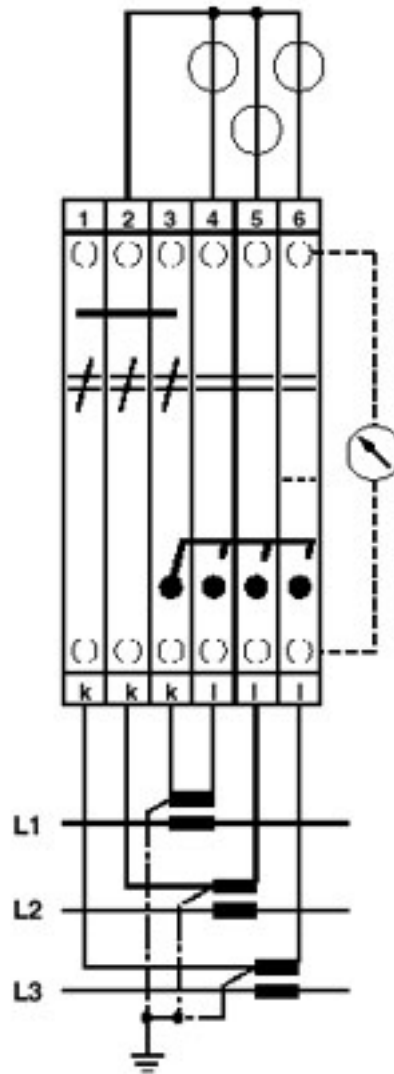
Drawings

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Circuit diagram



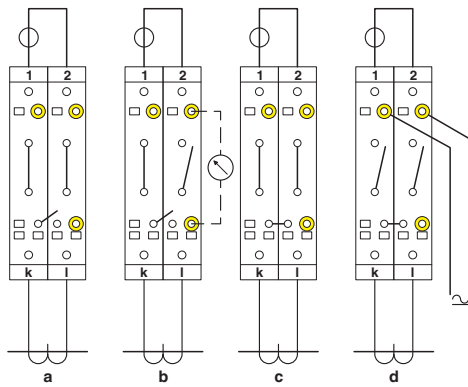
Schematic diagram



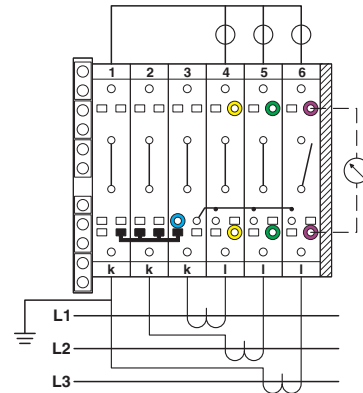
Three-phase linked transducer test set

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Connection diagram



Connection diagram



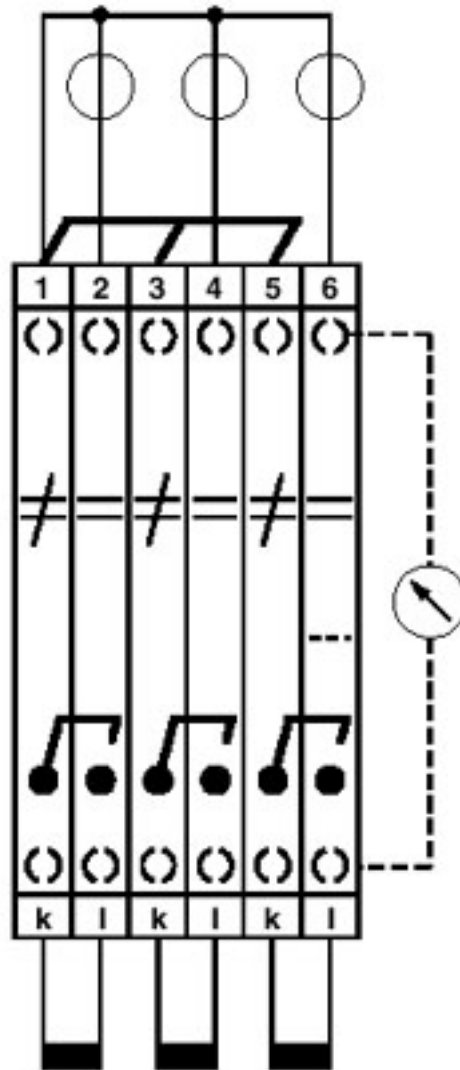
Three-phase linked transducer test set

Simple current transformer test circuit

- a = normal operation
- b = measured value testing
- c = transformer testing
- d = relay testing

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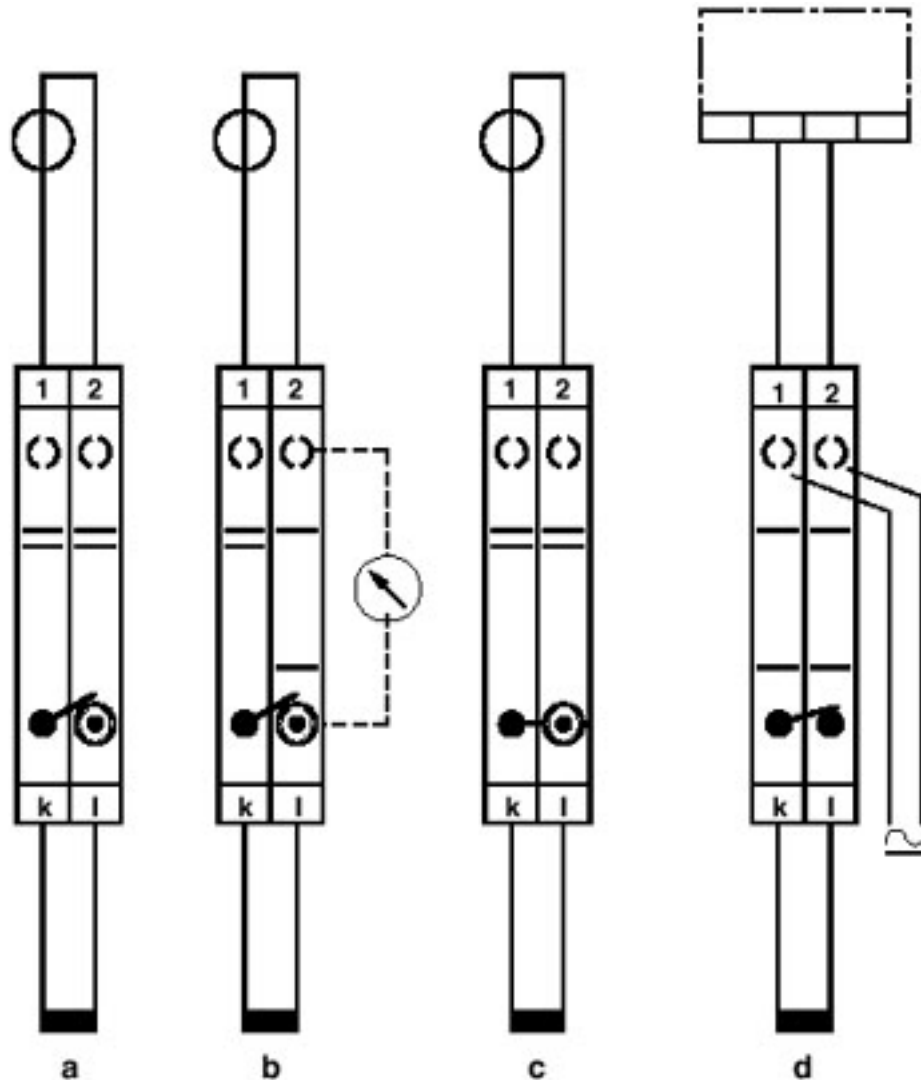
Schematic diagram



Three-phase transducer test set

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Schematic diagram



Simple current transformer test circuit

a = normal operation

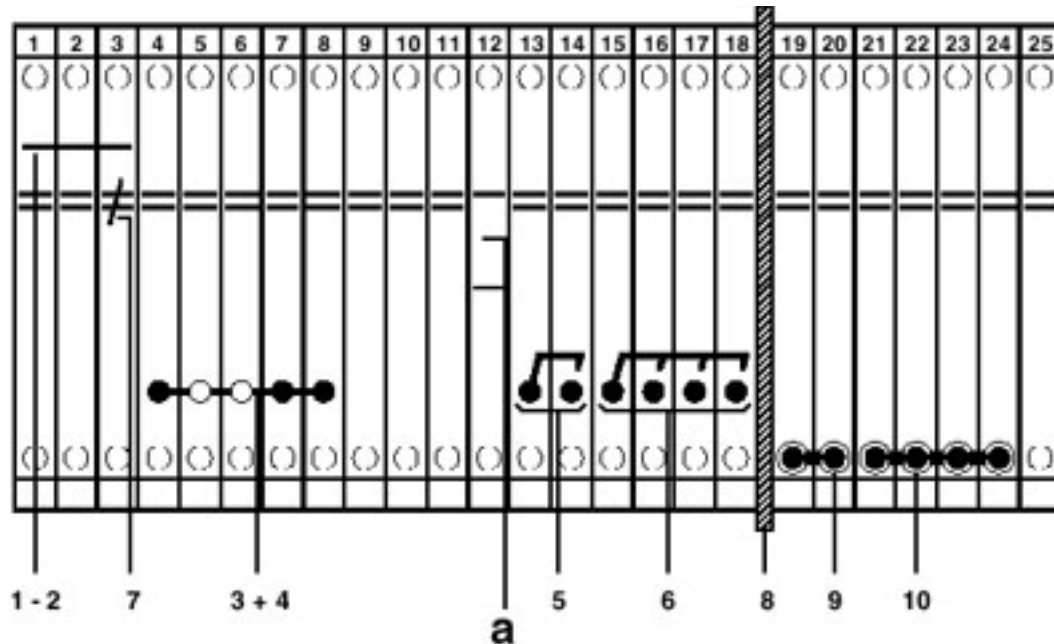
b = measured value testing

c = transformer testing

d = relay testing

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Circuit diagram



a = open

1 = fixed bridge, for cross-connections in the terminal center

2 = fixed bridge, for cross connections on both sides of the disconnect point

3 = isolator bridge bar

4 = bridge bar isolator

5 = switch bar, 2-pos., useable on both sides of the disconnect point, inward switching motion

6 = switch bar, for 4-pos. short-circuiting of linked current transformer sets, useable on both sides of the disconnect point

7 = switching lock

8 = partition plate

9 = short-circuit plug

10 = short-circuit plug