Test disconnect terminal block - URTK/SP

0311126

https://www.phoenixcontact.com/gb/products/0311126

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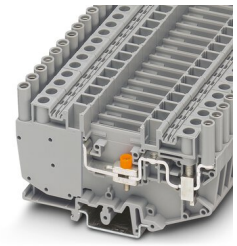

Test disconnect terminal block, with slide, nom. voltage: 500 V, nominal current: 41 A, connection method: Screw connection, Rated cross section: 6 mm^2, cross section: 0.5 mm^2 - 10 mm^2 , mounting type: NS 35/7,5, NS 35/15, NS 32, color: gray

Your advantages

- 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

Commercial Data

Item number	0311126
Packing unit	50 pc
Minimum order quantity	1 pc
Sales Key	BE1233
Product Key	BE1233
Catalog Page	Page 525 (C-1-2019)
GTIN	4017918001315
Weight per Piece (including packing)	38.36 g
Weight per Piece (excluding packing)	37.02 g
Customs tariff number	85369010
Country of origin	TR

Technical Data

Notes

General

Note	When establishing a connection on the open housing side of a feed-through modular terminal block of the same series and size, the block must be provided with a cover if the expected insulation voltage is >320 V.
	The max. load current must not be exceeded by the total current of all connected conductors.

Product properties

Product type	Test disconnect terminal block
Number of connections	2
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	1.31 W

Connection data

Number of connections per level	2
Nominal cross section	6 mm²

Level 1 above 1 below 1

Screw thread	M4
Tightening torque	1.5 ... 1.8 Nm
Stripping length	11 mm
Conductor cross section solid	0.5 mm² ... 10 mm²
Cross section AWG	20 ... 8
Conductor cross section flexible	0.5 mm² ... 6 mm²
Conductor cross section, flexible [AWG]	20 ... 10
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.5 mm² ... 6 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm² ... 6 mm²
2 conductors with same cross section, solid	0.5 mm² ... 2.5 mm²
2 conductors with same cross section, flexible	0.5 mm² ... 4 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.5 mm² ... 2.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² ... 4 mm²

Nominal current	41 A
Maximum load current	50 A (with 10 mm² conductor cross section)
Nominal voltage	500 V
Nominal cross section	6 mm²

Dimensions

Width	8.2 mm
Height NS 35/15	66.5 mm
Height NS 35/7,5	59 mm
Height	2.323 "
Height NS 32	64 mm
Length	99.5 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

Electrical tests

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
	Test passed
Short-time withstand current 6 mm²	0.72 kA
Short-time withstand current 10 mm²	1.2 kA
Result	Test passed

Power-frequency withstand voltage

Result	Test passed

Mechanical properties

Mechanical data

Open side panel	No

Mechanical tests

Mechanical strength

Result	Test passed

Attachment on the carrier

DIN rail/fixing support	NS 32/NS 35
Test force setpoint	5 N
Result	Test passed

Test for conductor damage and slackening

Rotation speed	10 (+/- 2) rpm
Revolutions	135
Conductor cross section/weight	0.5 mm² / 0.3 kg
	6 mm² / 1.4 kg
	10 mm² / 2 kg
Result	Test passed

Environmental and real-life conditions

Needle-flame test

Time of exposure	30 s
Result	Test passed

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2018-05
Spectrum	Service life test category 2, bogie-mounted
Frequency	f_1 = 5 Hz to f_2 = 250 Hz
ASD level	6.12 (m/s²)²/Hz
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Pulse shape	Half-sine
Acceleration	5g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI

	Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-1

Mounting

Mounting type	NS 35/7,5
	NS 35/15
	NS 32
Screw thread	M3

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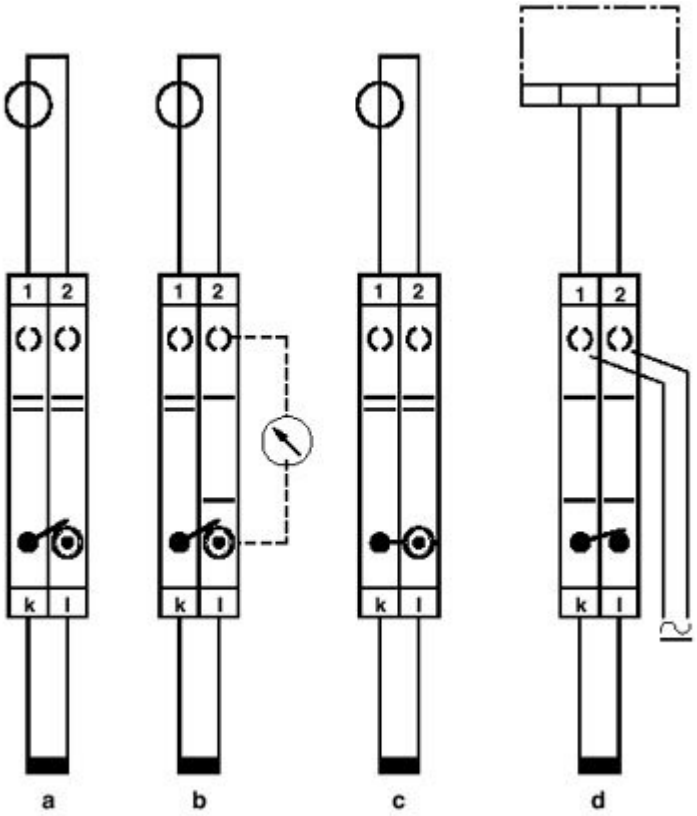
Drawings

Schematic diagram



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

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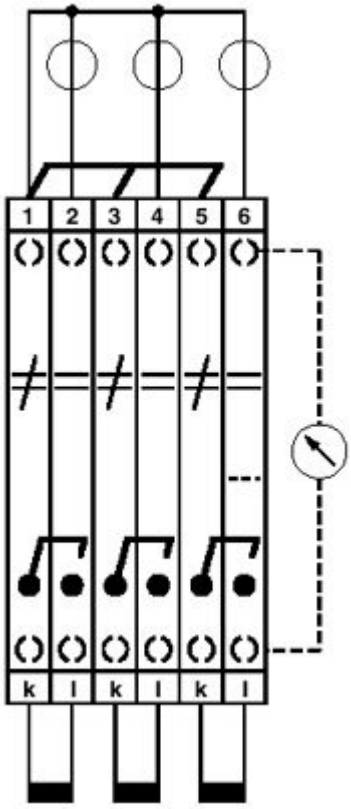
Schematic diagram



Three-phase transducer test set

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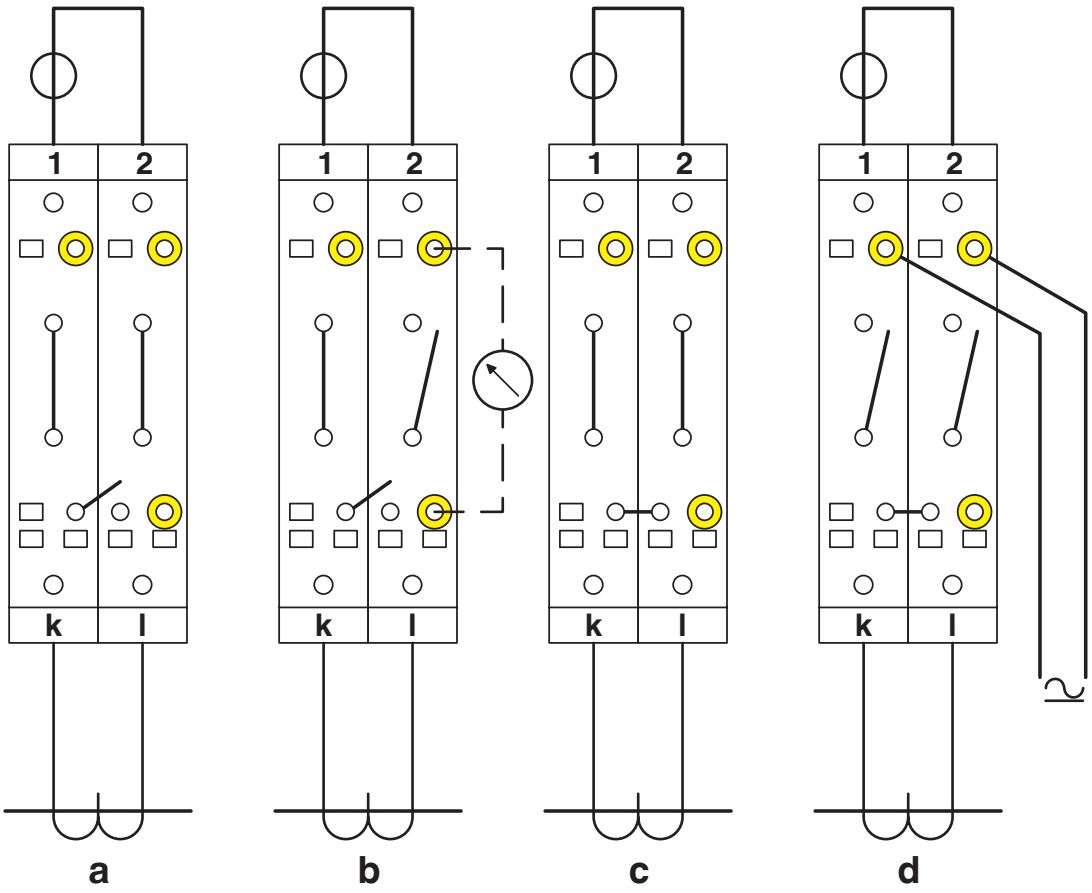
Connection diagram



Simple current transformer test circuit
a = normal operation
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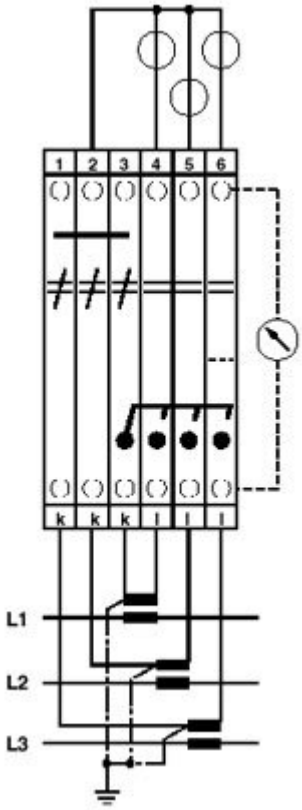
Circuit diagram

Schematic diagram



Three-phase linked transducer test set

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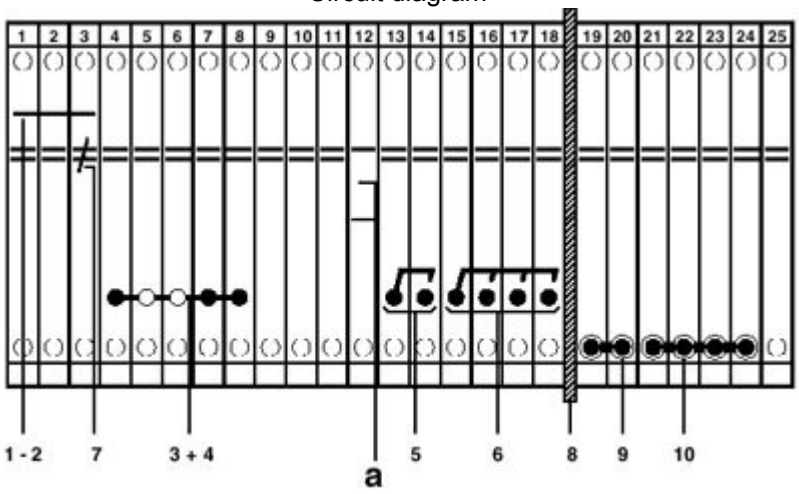
Circuit diagram



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

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Approvals

CSA
Approval ID: 13631

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	300 V	45 A	26 - 8	-

IECEE CB Scheme
Approval ID: NL-42274

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	500 V		-	- 6

EAC
Approval ID: RU C-DE.AI30.B.01102

cULus Recognized
Approval ID: E60425

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B				
	300 V	45 A	26 - 8	-
Use group C				
	300 V	45 A	26 - 8	-

KEMA-KEUR
Approval ID: 71-102522

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	500 V		-	- 6

EAC
Approval ID: RU C-DE.BL08.B.00534

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Classifications

ECLASS

ECLASS-9.0	27141126
ECLASS-10.0.1	27141126
ECLASS-11.0	27141126

ETIM

ETIM 8.0	EC000902

UNSPSC

UNSPSC 21.0	39121400

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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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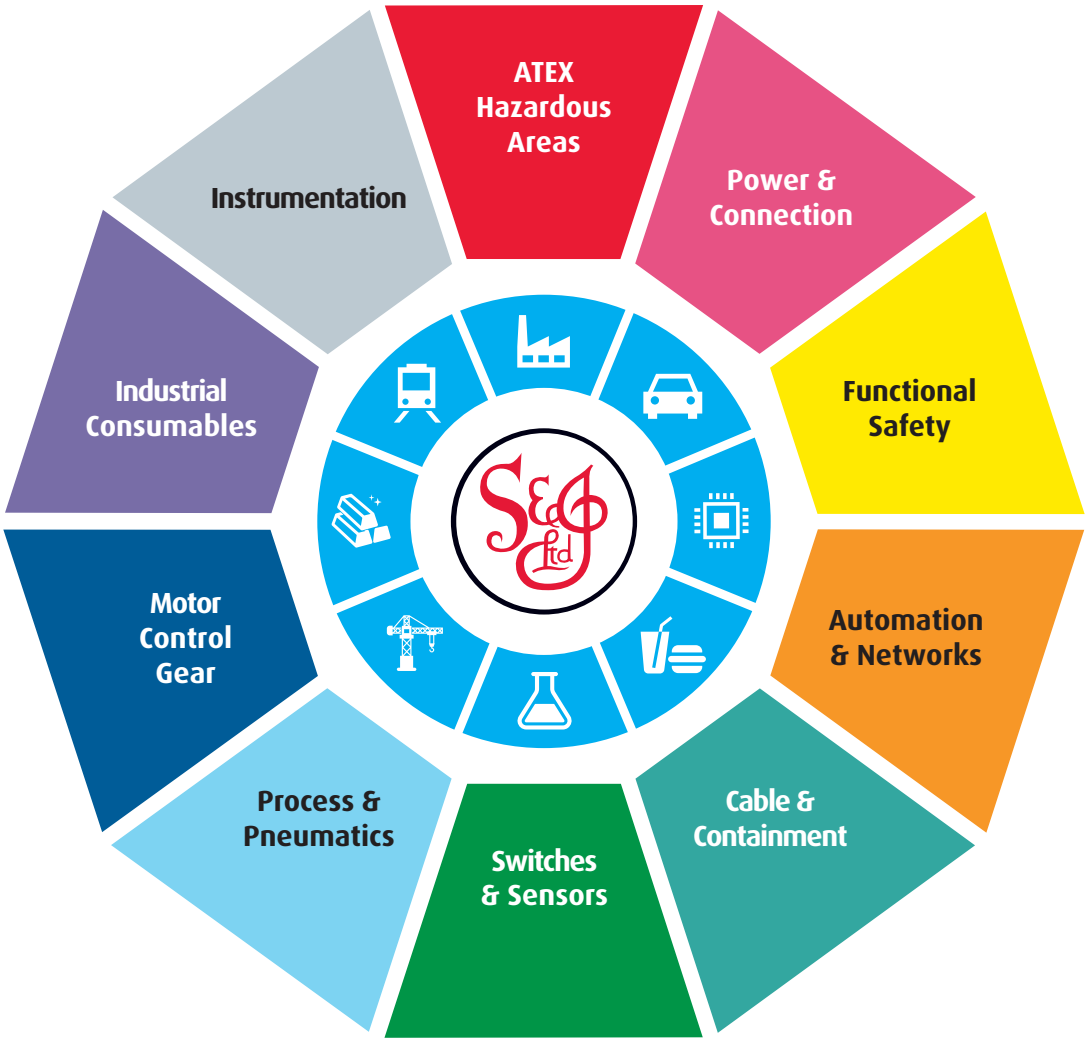

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