

URTK/S RD - Test disconnect terminal block



0311812
<https://www.phoenixcontact.com/us/products/0311812>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Test disconnect terminal block, with slide, nom. voltage: 400 V, nominal current: 41 A, connection method: Screw connection, 1 level, Rated cross section: 6 mm², cross section: 0.5 mm² - 10 mm², mounting type: NS 35/7,5, NS 35/15, NS 32, color: red

Your advantages

- 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

Commercial data

Item number	0311812
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE12
Product key	BE1233
GTIN	4017918233815
Weight per piece (including packing)	34.17 g
Weight per piece (excluding packing)	33.14 g
Customs tariff number	85369010
Country of origin	CN

URTK/S RD - Test disconnect terminal block



0311812

<https://www.phoenixcontact.com/us/products/0311812>

Technical data

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 mm ²

1 level

Connection method	Screw connection
Screw thread	M4
Tightening torque	1.2 ... 1.5 Nm
Stripping length	13 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.5 mm ² ... 10 mm ²
Cross section AWG	20 ... 8 (converted acc. to IEC)
Conductor cross-section flexible	0.5 mm ² ... 6 mm ²
Conductor cross-section, flexible [AWG]	20 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 6 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm ² ... 4 mm ²
2 conductors with same cross section, solid	0.5 mm ² ... 2.5 mm ²
2 conductors with same cross section, flexible	0.5 mm ² ... 6 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.5 mm ² ... 4 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 4 mm ²
Nominal current	41 A
Maximum load current	57 A (with 10 mm ² conductor cross-section)
Nominal voltage	400 V
Nominal cross section	6 mm ²

Dimensions

URTK/S RD - Test disconnect terminal block



0311812

<https://www.phoenixcontact.com/us/products/0311812>

Width	8.2 mm
End cover width	2.2 mm
Height	72 mm
Depth on NS 32	56.5 mm
Depth on NS 35/7,5	51.5 mm
Depth on NS 35/15	59 mm

Material specifications

Color	red (RAL 3001)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Relative insulation material temperature index (Elec., UL 746 B)	125 °C
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 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

Mechanical properties

Mechanical data

Open side panel	Yes
-----------------	-----

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see 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 (operation)	20 % ... 90 %
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

URTK/S RD - Test disconnect terminal block

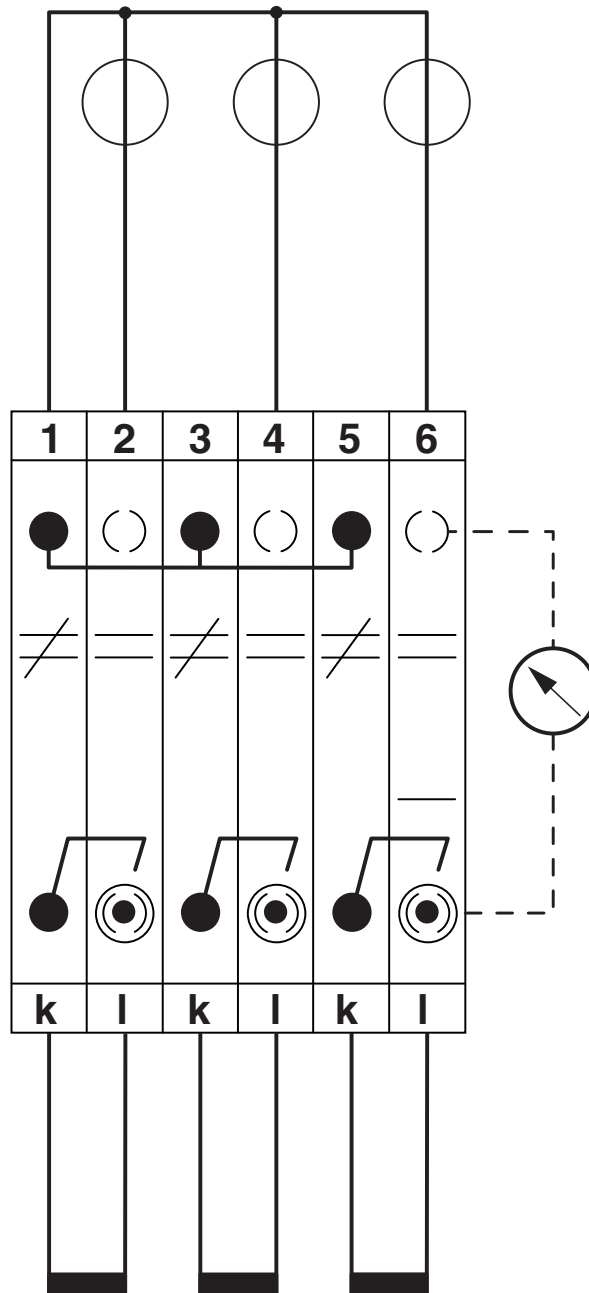
0311812

<https://www.phoenixcontact.com/us/products/0311812>



Drawings

Schematic diagram



Three-phase transducer test set

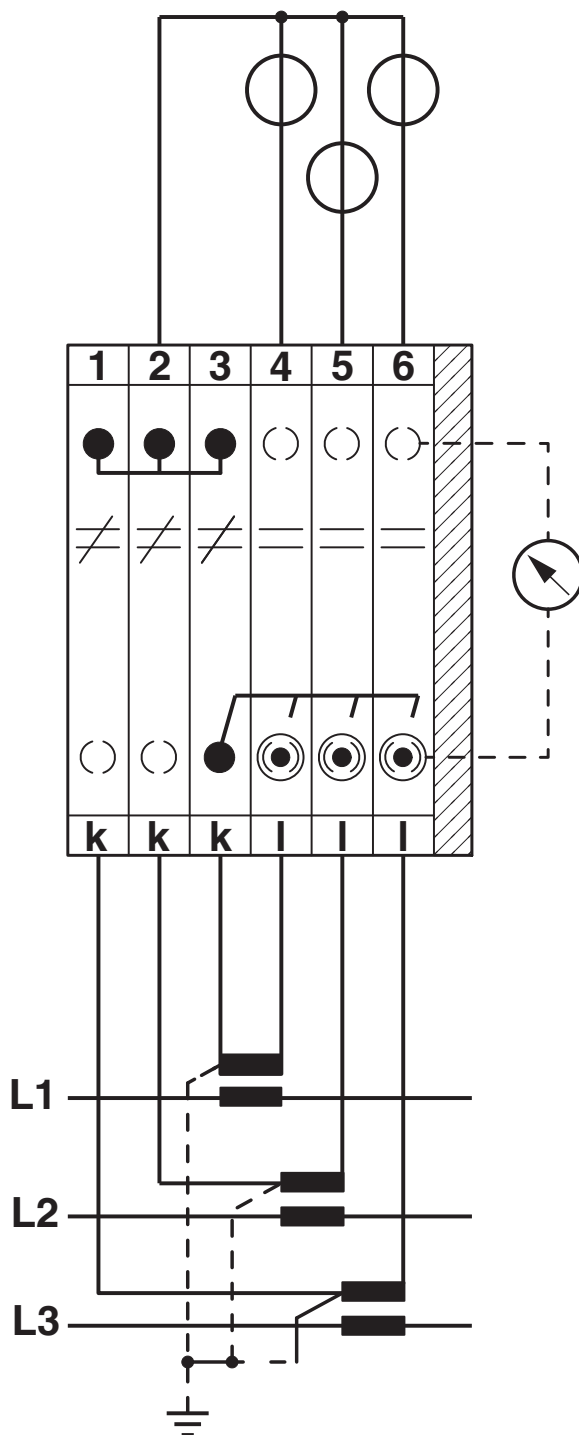
URTK/S RD - Test disconnect terminal block

0311812

<https://www.phoenixcontact.com/us/products/0311812>

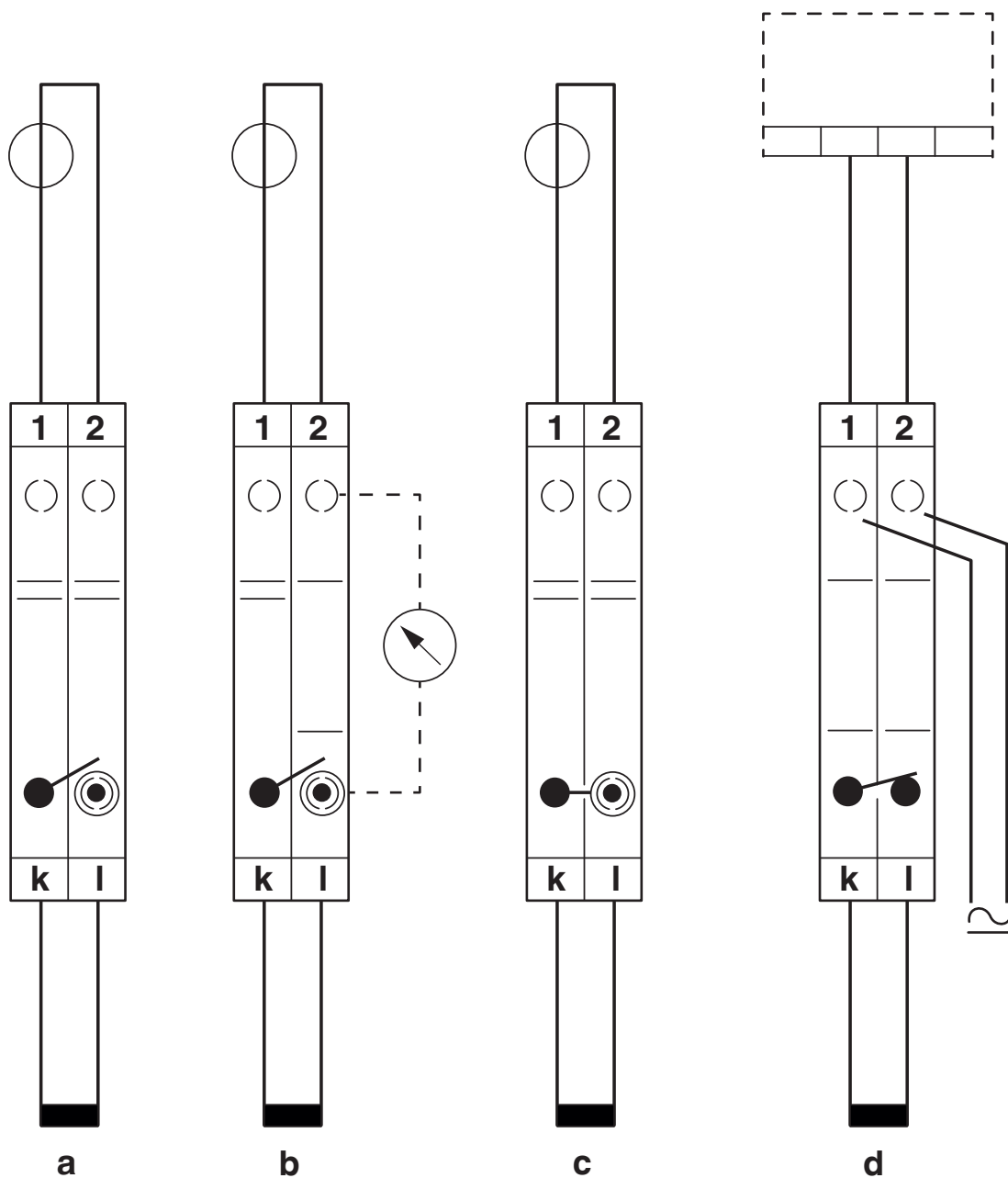


Schematic diagram



Three-phase linked transducer test set

Schematic diagram



Simple current transformer test circuit

a = normal operation

b = measured value testing

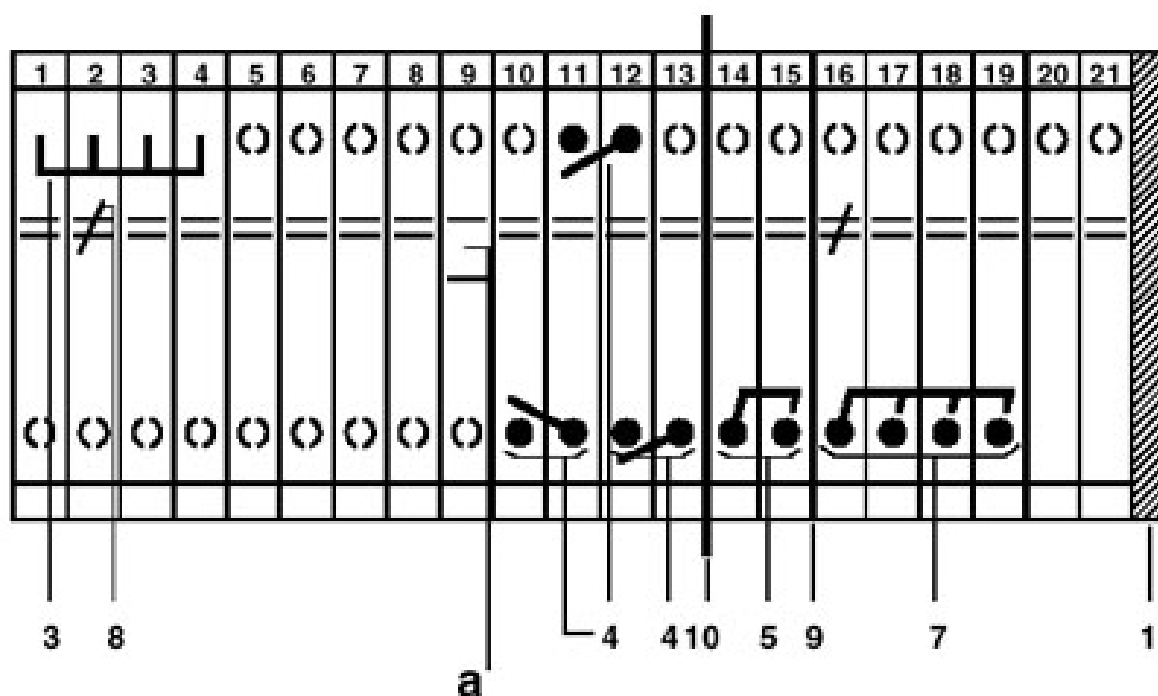
c = transformer short-circuit

d = relay testing

Circuit diagram



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-phase 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

URTK/S RD - Test disconnect terminal block



0311812

<https://www.phoenixcontact.com/us/products/0311812>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/0311812>

 IECEE CB Scheme Approval ID: NL-65058				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	400 V	-	-	- 6

 EAC Approval ID: KZ7500651131219505				
---	--	--	--	--

 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	300 V	50 A	26 - 8	-
C				
	300 V	50 A	26 - 8	-

 KEMA-KEUR Approval ID: 71-113436 REV.1				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	400 V	-	-	- 6

 LR Approval ID: LR2041789TA-02				
--	--	--	--	--

DNV Approval ID: TAE00001CT				
---------------------------------------	--	--	--	--

URTK/S RD - Test disconnect terminal block



0311812

<https://www.phoenixcontact.com/us/products/0311812>

Classifications

ECLASS

ECLASS-13.0	27250109
ECLASS-15.0	27250109

ETIM

ETIM 9.0	EC000902
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

URTK/S RD - Test disconnect terminal block



0311812
<https://www.phoenixcontact.com/us/products/0311812>

Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com