URKN-A - Feed-through terminal block

0701008

https://www.phoenixcontact.com/us/products/0701008

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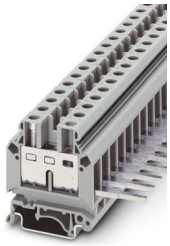


Feed-through terminal block, nom. voltage: 500 V, nominal current: 70 A, number of connections: 2, connection method: Screw/plug-in connection, 1 level, cross section: 0.5 mm^2 - 16 mm^2, mounting type: NS 35/7,5, NS 35/15, NS 32, color: gray

Commercial data

Item number	0701008
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE12
Product key	BE1211
GTIN	4017918105525
Weight per piece (including packing)	25.2 g
Weight per piece (excluding packing)	23.6 g
Customs tariff number	85369010
Country of origin	DE

Technical data

Product properties

Product type	Feed-through terminal block
Product family	URK
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

Connection data

Number of connections per level	2

1 level

Connection method	Screw/plug-in connection
Screw thread	M4
Tightening torque	1.5 ... 1.8 Nm
Stripping length	14 mm
Conductor cross-section rigid	0.5 mm² ... 16 mm²
Cross section AWG	20 ... 6 (converted acc. to IEC)
Conductor cross-section flexible	0.5 mm² ... 10 mm²
Conductor cross-section, flexible [AWG]	20 ... 8 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² ... 16 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm² ... 10 mm²
2 conductors with same cross section, rigid	0.5 mm² ... 10 mm²
2 conductors with same cross section, flexible	0.5 mm² ... 10 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.5 mm² ... 6 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² ... 6 mm²
Nominal current	70 A
Maximum load current	70 A (with 16 mm² conductor cross-section)
Nominal voltage	500 V

Dimensions

Width	10.2 mm
End cover width	1.5 mm
Height	68 mm
Depth on NS 32	55.5 mm

Depth on NS 35/7,5	50.5 mm
Depth on NS 35/15	58 mm

Material specifications

Color	gray (RAL 7042)
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))	125 °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)	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

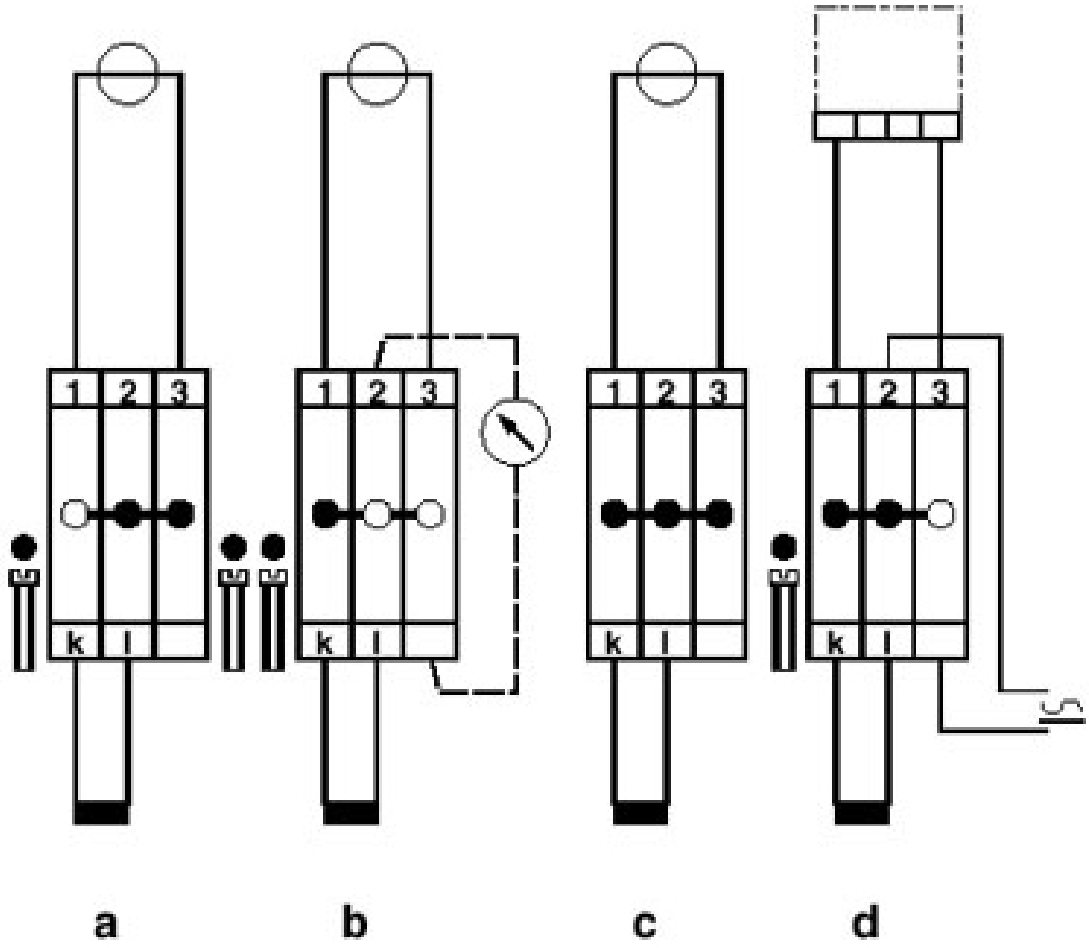
Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

Mounting

Mounting type	NS 35/7,5
	NS 35/15
	NS 32

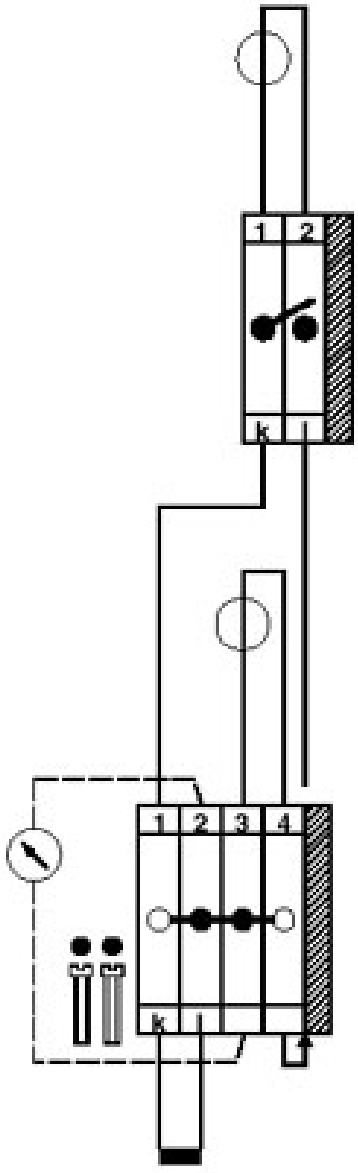
Drawings

Schematic diagram



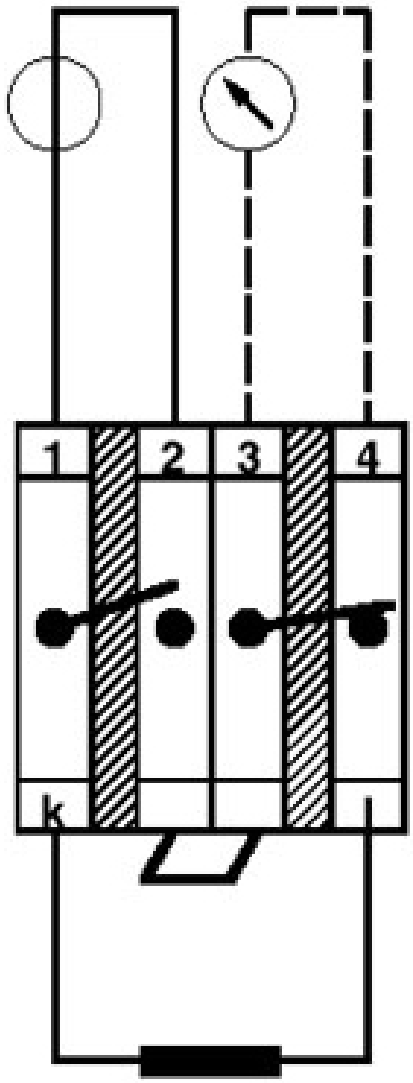
Simple current transformer test circuit
a = normal operation
b = measured value testing
c = transformer short-circuit
d = relay testing

Schematic diagram



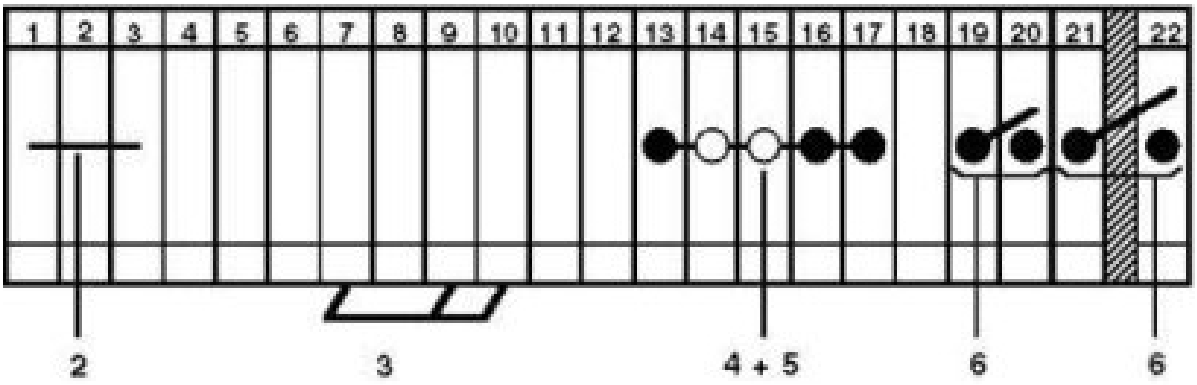
Transducer test set with outlet

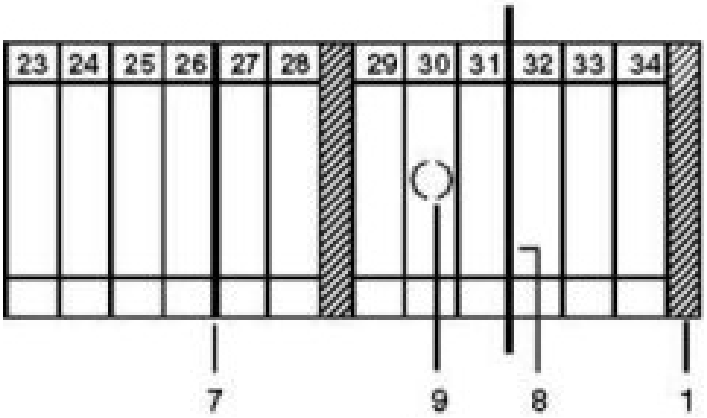
Schematic diagram



Current transformer test circuit with movable links

Circuit diagram





1 = cover
2 = fixed bridge
3 = insertion bridge
4 = isolator bridge bar
5 = switch bar for 2 terminal blocks
6 = separating plate
7 = partition plate
8 = test plug socket
9 = Zack marker strip
10 = screwdriver

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/0701008

EAC
Approval ID: KZ7500651131219505

Classifications

ECLASS

ECLASS-13.0	27250101
ECLASS-15.0	27250101

ETIM

ETIM 10.0	EC000897

UNSPSC

UNSPSC 21.0	39121400

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%

EF3.1 Climate Change

CO2e kg	0.087 kg CO2e

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