

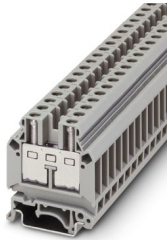
URKN/S - Feed-through terminal block



0701024

<https://www.phoenixcontact.com/us/products/0701024>

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.



Feed-through terminal block, nom. voltage: 400 V, nominal current: 57 A, number of connections: 2, connection method: Screw connection, 1 level, cross section: 0.5 mm² - 10 mm², mounting type: NS 35/7,5, NS 35/15, NS 32, color: gray

Commercial data

Item number	0701024
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE12
Product key	BE1211
GTIN	4017918117122
Weight per piece (including packing)	20.01 g
Weight per piece (excluding packing)	19.25 g
Customs tariff number	85369010
Country of origin	DE

URKN/S - Feed-through terminal block



0701024

<https://www.phoenixcontact.com/us/products/0701024>

Technical data

Product properties

Product type	Feed-through 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
---------------------	------

Connection data

Number of connections per level	2
---------------------------------	---

1 level

Connection method	Screw connection
Screw thread	M4
Tightening torque	1.5 ... 1.8 Nm
Stripping length	14 mm
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 ... 10 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm ² ... 6 mm ²
2 conductors with same cross section, rigid	0.5 mm ² ... 10 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 ... 6 mm ²
Nominal current	57 A
Maximum load current	57 A (with 10 mm ² conductor cross-section)
Nominal voltage	400 V

Dimensions

Width	8.2 mm
End cover width	1.5 mm

Material specifications

URKN/S - Feed-through terminal block



0701024

<https://www.phoenixcontact.com/us/products/0701024>

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))	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

Electrical tests

Surge voltage test

Result	Test passed
--------	-------------

Temperature-rise test

Requirement temperature-rise test	Increase in temperature \leq 45 K
Result	Test passed
Short-time withstand current 6 mm ²	0.72 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.89 kV
Result	Test passed

Mechanical properties

Mechanical data

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

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

Environmental and real-life conditions

URKN/S - Feed-through terminal block



0701024

<https://www.phoenixcontact.com/us/products/0701024>

Needle-flame test

Time of exposure	30 s
Result	Test passed

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2018-05
Spectrum	Long life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	$6.12 \text{ (m/s}^2\text{)}^2\text{/Hz}$
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis

Shocks

Pulse shape	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)

Ambient conditions

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

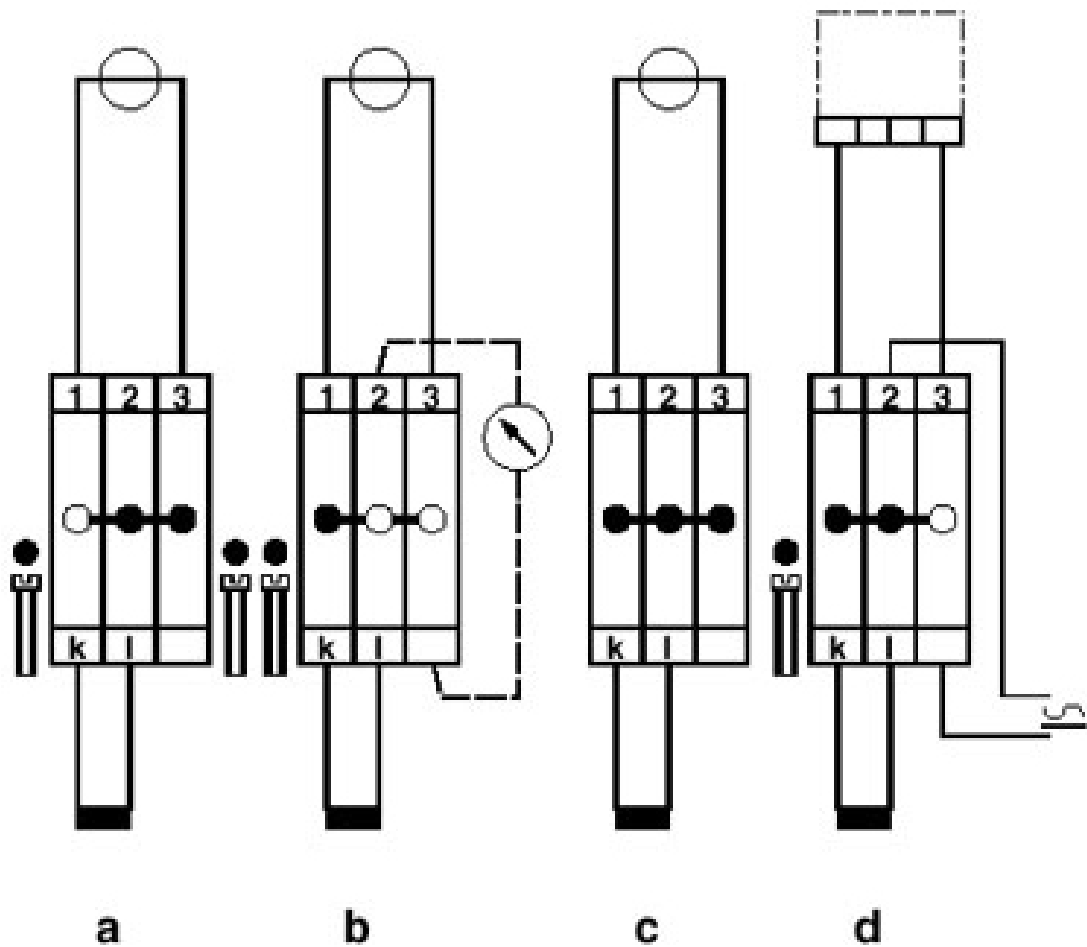
Connection in acc. with standard	IEC 60947-7-1
----------------------------------	---------------

Mounting

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

Drawings

Schematic diagram



Simple current transformer test circuit

a = normal operation

b = measured value testing

c = transformer short-circuit

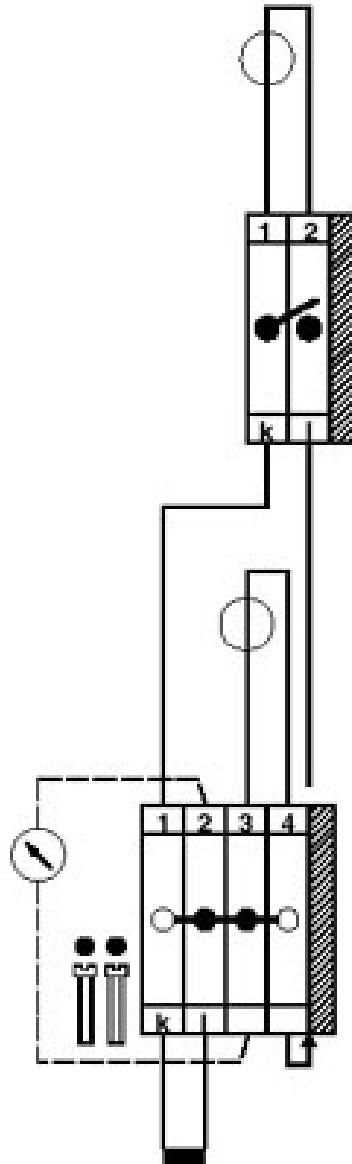
d = relay testing

URKN/S - Feed-through terminal block

0701024

<https://www.phoenixcontact.com/us/products/0701024>

Schematic diagram



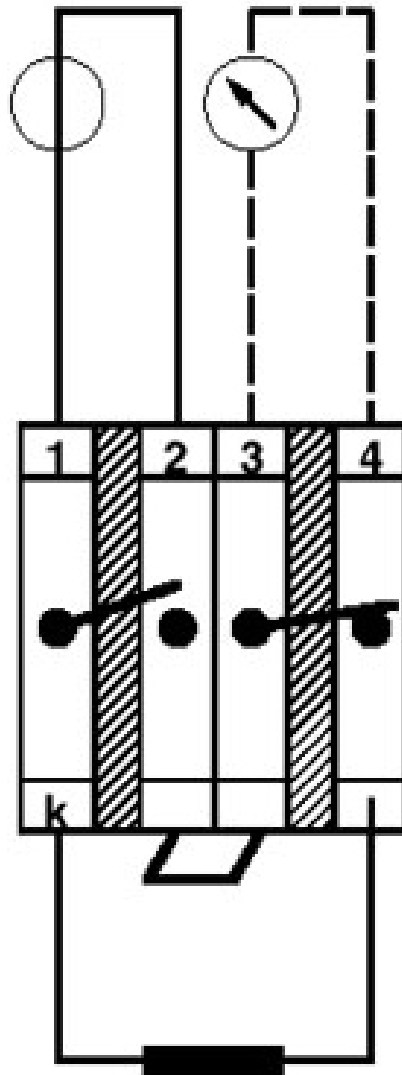
Transducer test set with outlet

URKN/S - Feed-through terminal block

0701024

<https://www.phoenixcontact.com/us/products/0701024>

Schematic diagram



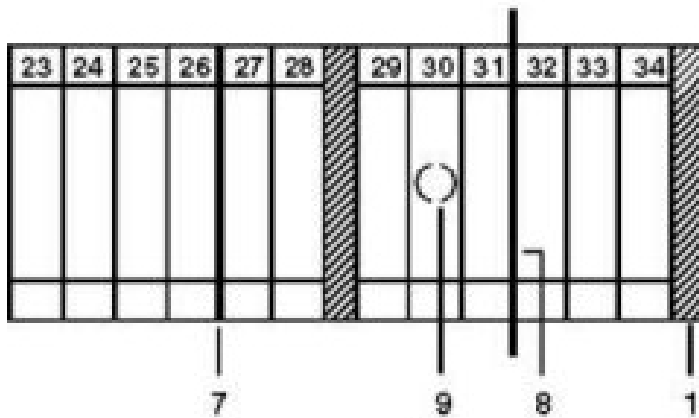
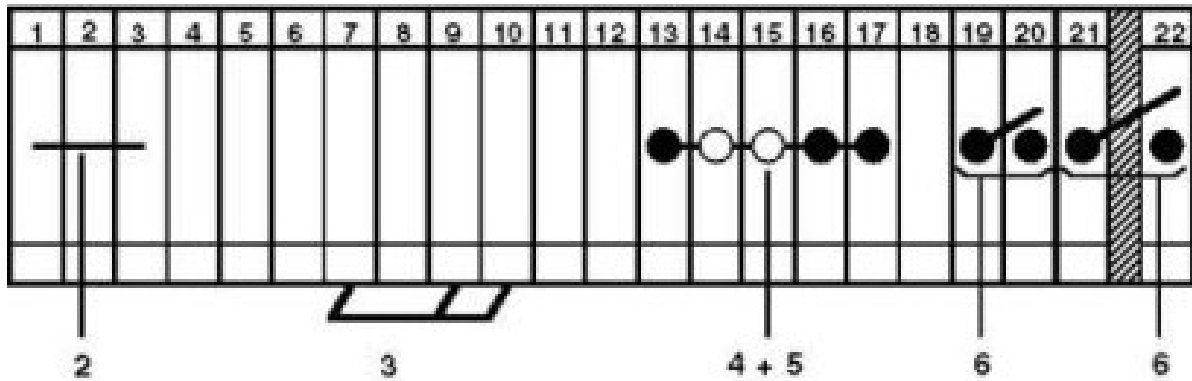
Current transformer test circuit with movable links

URKN/S - Feed-through terminal block

0701024

<https://www.phoenixcontact.com/us/products/0701024>

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

URKN/S - Feed-through terminal block



0701024

<https://www.phoenixcontact.com/us/products/0701024>

Classifications

UNSPSC

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

URKN/S - Feed-through terminal block



0701024

<https://www.phoenixcontact.com/us/products/0701024>

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 2026 © - 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