

**URTK/S**

Order No.: 0311087

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=0311087>

Component terminal block, Connection method: Screw connection,  
Width: 8.2 mm, Mounting type: NS 35/7,5, NS 35/15, NS 32,  
Color: gray

Commercial data	
EAN	4017918001292
Pack	50 pcs.
Customs tariff	85369010
Weight/Piece	0.03581 KG
Catalog page information	Page 399 (CL-2009)

**Product notes**

WEEE/RoHS-compliant since:  
01/01/2005



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www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)  
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Technical data	
<b>General</b>	
Number of levels	1
Number of connections	2
Color	gray

Insulating material	PA
Inflammability class acc. to UL 94	V0

**Dimensions**

Length	72 mm
Width	8.2 mm
Height NS 35/7,5	51.5 mm
Height NS 35/15	59 mm
Height NS 32	56 mm

**Technical data**

Rated surge voltage	6 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current $I_N$	41 A
Nominal voltage $U_N$	400 V

**Connection data**

Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	10 mm <sup>2</sup>
Conductor cross section stranded min.	0.5 mm <sup>2</sup>
Conductor cross section stranded max.	6 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	8
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	6 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	4 mm <sup>2</sup>
2 conductors with same cross section, solid min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, solid max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.5 mm <sup>2</sup>

2 conductors with same cross section, stranded max.	6 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	4 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm <sup>2</sup>
Type of connection	Screw connection
Stripping length	13 mm
Screw thread	M4
Tightening torque, min	1.2 Nm
Tightening torque max	1.5 Nm

#### Certificates / Approvals



Certification

CCA, CUL, DNV, GOST, KEMA, LR, PRS, RS, UL

#### CUL

Nominal voltage U <sub>N</sub>	300 V
Nominal current I <sub>N</sub>	50 A
AWG/kcmil	26-8

#### UL

Nominal voltage U <sub>N</sub>	300 V
Nominal current I <sub>N</sub>	50 A
AWG/kcmil	26-8

#### Accessories

Item	Designation	Description
0310224	ATS-RTK	Partition plate, Length: 72 mm, Width: 0.8 mm, Height: 51.5 mm, Color: gray

3022218	CLIPFIX 35	Snap-on end bracket, for 35 mm NS 35/7.5 or NS 35/15 DIN rail, can be fitted with Zack strip ZB 8 and ZB 8/27, terminal strip marker KLM 2 and KLM, width: 9.5 mm, color: gray
0310020	D-URTK	End cover, Length: 72 mm, Width: 2.2 mm, Height: 41.5 mm, Color: gray
1201442	E/UK	End clamp, for assembly on NS 32 or NS 35/7,5 DIN rail
1201028	NS 32 AL UNPERF 2000MM	G rail 32 mm (NS 32)
1201280	NS 32 CU/120QMM UNPERF 2000MM	G-profile DIN rail, deep-drawn, material: Copper, unperforated, height 15 mm, width 32 mm, length 2 m
1201358	NS 32 CU/35QMM UNPERF 2000MM	G-profile DIN rail, material: Copper, unperforated, height 15 mm, width 32 mm, length 2 m
1201002	NS 32 PERF 2000MM	G-profile DIN rail, material: Steel, perforated, height 15 mm, width 32 mm, length 2 m
1201015	NS 32 UNPERF 2000MM	G-profile DIN rail, material: Steel, unperforated, height 15 mm, width 32 mm, length 2 m
0801762	NS 35/ 7,5 CU UNPERF 2000MM	DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m
0801733	NS 35/ 7,5 PERF 2000MM	DIN rail, material: Steel, galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2 m
0801681	NS 35/ 7,5 UNPERF 2000MM	DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m
1201756	NS 35/15 AL UNPERF 2000MM	DIN rail, deep-drawn, high profile, unperforated, 1.5 mm thick, material: Aluminum, height 15 mm, width 35 mm, length 2 m
1201895	NS 35/15 CU UNPERF 2000MM	DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m
1201730	NS 35/15 PERF 2000MM	DIN rail, material: Steel, perforated, height 15 mm, width 35 mm, length: 2 m
1201714	NS 35/15 UNPERF 2000MM	DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m
1201798	NS 35/15-2,3 UNPERF 2000MM	DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m
0310211	TS-RTK	Separating plate, Length: 72 mm, Width: 0.8 mm, Color: gray

**Bridges**

0311281	ASB 2-RTK/S	Cross connector/bridge, Color: silver
0202154	EB 2- 8	Cross connector/bridge, Number of positions: 2, Color: gray
0202141	EB 3- 8	Cross connector/bridge, Number of positions: 3, Color: gray
0202138	EB 10- 8	Cross connector/bridge, Number of positions: 10, Color: gray
0311171	FB 10- RTK/S	Cross connector/bridge, Number of positions: 10, Color: silver
0308359	S	Switching lock, Color: white
0311155	S-URTK/SP	Switching lock, Color: white
0311236	SB 2-RTK/S	Cross connector/bridge, Number of positions: 2, Color: silver

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0311265	SB 4-RTK/S	Cross connector/bridge, Number of positions: 4, Color: silver
0311278	USB 2-RTK/S	Cross connector/bridge, Color: silver

**Marking**

1007235	SBS 8:UNBEDRUCKT	Marker cards for modular terminal blocks, color: white
1050512	ZB 8:SO/CMS	Zack strip, 10-section, divisible, special printing, marking according to customer requirements

**Plug/Adapter**

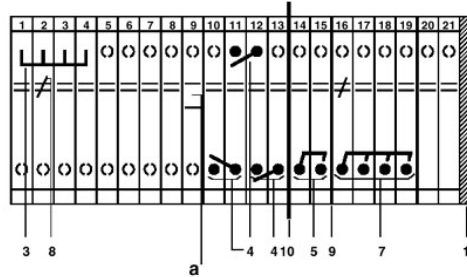
0311728	PSBJ-URTK/S BK	Female test connector, Color: black
0311757	PSBJ-URTK/S BU	Female test connector, Color: blue
0311760	PSBJ-URTK/S GN	Female test connector, Color: green
0311744	PSBJ-URTK/S RD	Female test connector, Color: red
0311773	PSBJ-URTK/S VT	Female test connector, Color: violet
0311731	PSBJ-URTK/S YE	Female test connector, Color: yellow

**Tools**

1205066	SZS 1,0X4,0	Screwdriver, bladed, matches all screw terminal blocks with 10 mm <sup>2</sup> and 16 mm <sup>2</sup> connection cross section, blade: 1.0 x 4.0 mm
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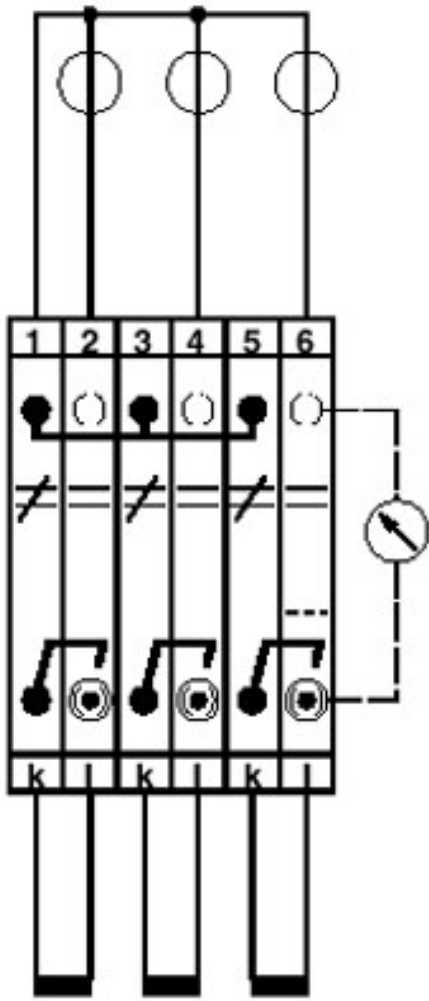
## Diagrams/Drawings

## Circuit diagram

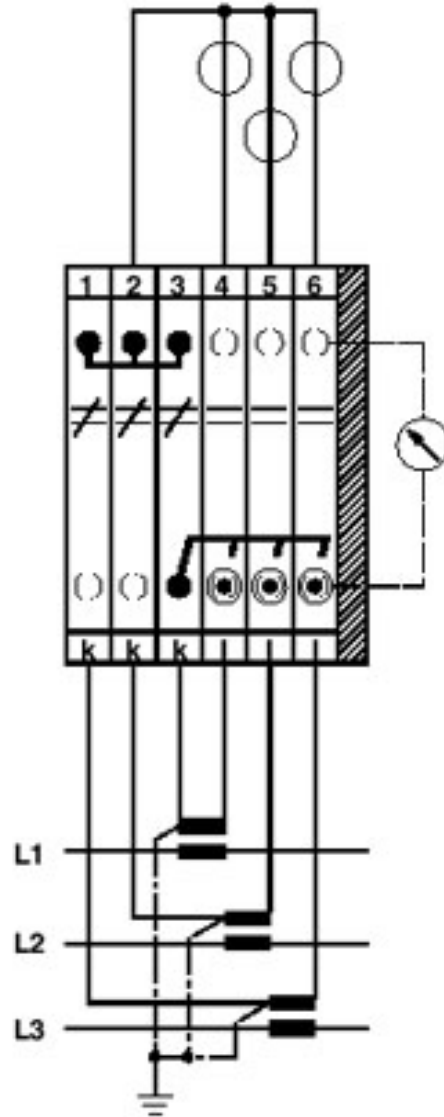


- a = open
- 1 = cover
- 3 = fixed bridge
- 4 = switch bar, for 2 terminal blocks, useable on both sides of the disconnect point, inward switching motion
- 5 = switch bar, for 2 terminal blocks, useable on both sides of the disconnect point, outward switching motion
- 7 = switch bar, for 3-phase short 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

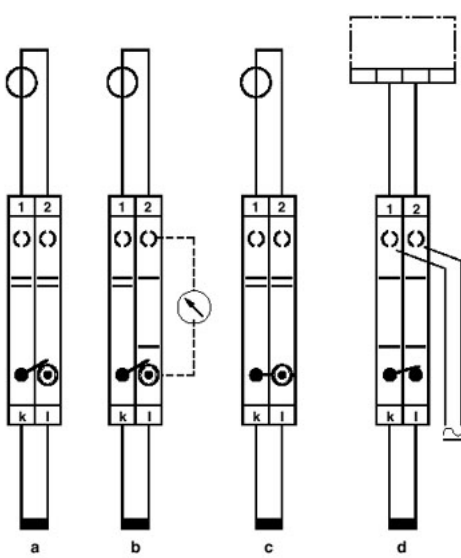
Schematic diagram



Three-phase transducer test set



Three-phase linked transducer test set



Simple current transformer test circuit

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



**Address**

PHOENIX CONTACT Deutschland GmbH  
Flachsmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 12000  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.de>



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