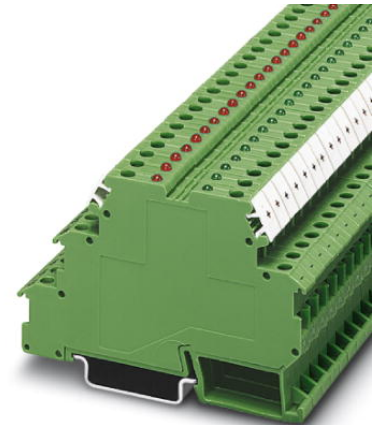


# EIK1-SVN-24P


Order No.: 2940799



<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=2940799>

Switching amplifier electronic terminal block, for inductive proximity sensors acc. to NAMUR, with light indicators for sensor signal and faults



Commercial data	
EAN	 4 017918 080242
sales group	G042
Pack	10 Pcs.
Customs tariff	85364190
Gross weight in pieces	0.02499 KG
Net weight per piece	0.02499 KG
Catalog page information	Page 412 (C-7-2013)

#### Product notes

WEEE/RoHS-compliant since:  
07/05/2006



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data	
<b>Dimensions</b>	
Width	6.2 mm
Height	80 mm
Depth	56 mm

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 50 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C

### Input data

Designation	Supply
Input voltage range	18.5 V DC ... 28.8 V DC ( $U_{VN}$ , see derating curve)
Typical input current at $U_N$	70 mA
Max. current consumption	70 mA (at 50 mA output current)
Operating voltage display	Green LED
Type of protection	Protection against polarity reversal
Protective circuit/component	Polarity protection diode
Transmission frequency	1 kHz
Designation	Control circuit
Nominal input voltage $U_N$	8.2 V DC $\pm 10\%$
Indication	visual short-circuit and wire break control with LED (red)
Type of protection	12 V Zener diode
Protective circuit/component	12 V Zener diode
Transmission frequency	1 kHz
Switching point	$\geq 2.1$ mA (In conductive state)
	$\leq 1.2$ mA (In blocking state)
	6.3 mA ... 10 mA (in the event of a short-circuit)
	0 mA ... 0.35 mA (In the event of a wire break)
Switching hysteresis	approx. 0.2 mA
Internal resistance	approx. 1 k $\Omega$

### Output data

Designation	Signal output
Output nominal voltage	$\leq 100$ mV (In conductive state)
	$U_{VN} - U_R$ ; in blocking state
Limiting continuous current	50 mA
Voltage drop at max. limiting continuous current	$\leq 1.5$ V ( $U_R$ )
Type of protection	36 V Zener diode as free-wheeling diode
Protective circuit/component	36 V Zener diode as free-wheeling diode

### Connection data

Connection method	Screw connection
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Stripping length	8 mm
Screw thread	M3
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

**General**

Mounting position	any
Assembly instructions	In rows with zero spacing
Designation	Air and creepage distances
Standards/regulations	IEC 60664
	EN 61000-6-2
	EN 61000-6-4
Pollution degree	2
Surge voltage category	III

**Certificates / Approvals**



Certification GOST

Certifications applied for:

Certification Ex:

**Accessories**

Item	Designation	Description
<b>Assembly</b>		
2716949	D-DEK 1,5 GN	Cover for setting the end of a terminal row, color: green

**Bridges**

2716648	EB 2- DIK BU	Insertion bridge, Number of positions: 2, Color: blue
2716693	EB 2- DIK RD	Insertion bridge, Number of positions: 2, Color: red
2716651	EB 3- DIK BU	Insertion bridge, Number of positions: 3, Color: blue
2716745	EB 3- DIK RD	Insertion bridge, Number of positions: 3, Color: red
2716664	EB 4- DIK BU	Insertion bridge, Number of positions: 4, Color: blue
2716758	EB 4- DIK RD	Insertion bridge, Number of positions: 4, Color: red
2716677	EB 5- DIK BU	Insertion bridge, Number of positions: 5, Color: blue
2716761	EB 5- DIK RD	Insertion bridge, Number of positions: 5, Color: red
2716680	EB 10- DIK BU	Insertion bridge, Number of positions: 10, Color: blue
2716774	EB 10- DIK RD	Insertion bridge, Number of positions: 10, Color: red
2715940	EB 80- DIK BU	Insertion bridge, Number of positions: 80, Color: blue
2715953	EB 80- DIK RD	Insertion bridge, Number of positions: 80, Color: red
2715788	EB 80- DIK WH	Insertion bridge, Number of positions: 80, Color: white

**General**

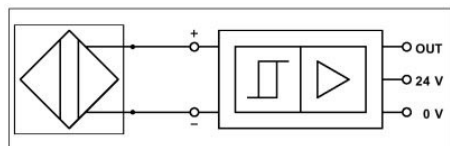
2715979	DIKD 1,5	Sensor/actuator terminal block, Cross section: 0.2 mm <sup>2</sup> - 4 mm <sup>2</sup> , AWG: 24 - 12, Connection type: Screw connection, Width: 6.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15
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**Marking**

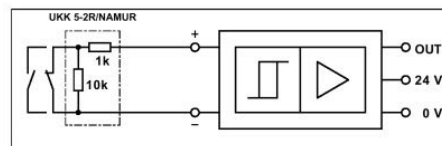
1051016	ZB 6,LGS:FORTL.ZAHLEN	Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm
5060935	ZB 6/WH-100:UNBEDRUCKT	Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm
1051003	ZB 6:UNBEDRUCKT	Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

**Drawings**

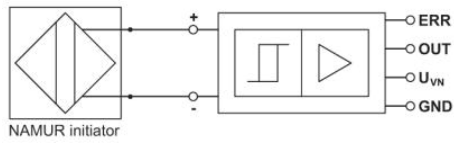
Application drawing



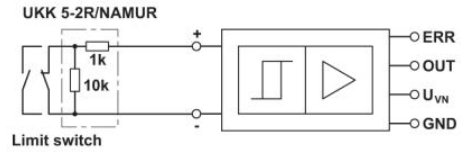
NAMUR initiator



Limit switch

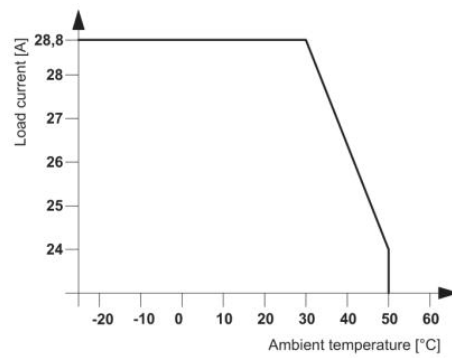
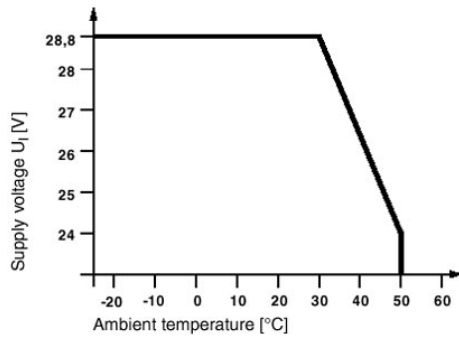


NAMUR initiator

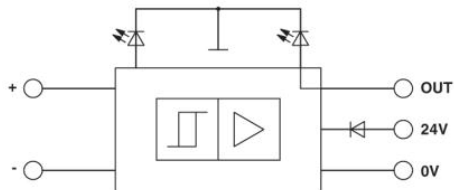


Limit switch

Diagram



Circuit diagram



**Address**

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



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