2940171

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Relay terminal block, with soldered-in miniature relays, contact (AgNi+Au): small to medium loads, 1 N/O contact, input voltage 24 V AC/DC, for assembly on NS 35/7.5, terminal width 6.2 mm

Your advantages

- · Reduced costs as N terminal block is no longer required
- · Up to 73 % more space
- · Wiring reduced to a minimum
- · 2-layer contact with hard gold plating for universal applications from 1 mA to 5 A continuous current
- 2 kV_{rms} electrical isolation between input and output
- · Integrated input circuit

Commercial data

Item number	2940171
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	C460
Product key	CK61A2
Catalog page	Page 440 (C-5-2019)
GTIN	4017918079895
Weight per piece (including packing)	23.31 g
Weight per piece (excluding packing)	19 g
Customs tariff number	85364190
Country of origin	CN

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Technical data

Notes

Note on application	Use of EB 80-DIK bridges in the DEK terminal blocks: Absorption of humidity from the ambient air as well as an unfavorable tolerance between a larger number of DEK terminal blocks and the EB 80-DIK bridge may cause (minor) expansion of the DEK housing. When the EB 80-DIK bridges are used, therefore, it is recommended that these be disconnected after about 10 to 12 DEK terminal blocks and a wire bridge to the next DEK terminal block be inserted in their place.
Product properties	
Product type	Relay Module
Product family	DEK
Application	Output function

Insulation characteristics

Mechanical service life

Operating mode

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

100% operating factor

approx. 2x 10⁷ cycles

Data management status

Date of last data management	22.05.2024
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Electrical properties

Maximum power dissipation for nominal condition	0.16 W
Test voltage (Winding/contact)	2 kV AC (50 Hz, 1 min., winding/contact)

Input data

Coil side	
Nominal input voltage U _N	24 V AC/DC
Input voltage range	19.2 V AC/DC 26.4 V AC/DC (20 °C)
Drive and function	monostable
Drive (polarity)	polarized
Typical input current at U _N	6.5 mA
Typical response time	5 ms
Typical release time	15 ms
Protective circuit	Bridge rectifier; Bridge rectifier
Operating voltage display	Yellow LED

Output data

Switching
Contact switching type

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Type of switch contact	Double contact
Contact material	AgNi, hard gold-plated
Maximum switching voltage	250 V AC
	125 V DC
Minimum switching voltage	0.1 V
Limiting continuous current	3 A (5 A up to 35°C at 24 V DC)
Maximum inrush current	5 A
Min. switching current	1 mA
Interrupting rating (ohmic load) max.	72 W (at 24 V DC)
	60 W (at 48 V DC)
	50 W (at 60 V DC)
	50 W (at 110 V DC)
	750 VA (for 250 V AC)
	120 W (at 24 V DC - up to 35°)

Connection data

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	0.2 mm ² 2.5 mm ²
Conductor cross section flexible	0.2 mm ² 2.5 mm ²
Conductor cross section AWG	24 14
Tightening torque	0.5 Nm

Dimensions

Width	6.2 mm
Height	80 mm
Depth	56 mm

Material specifications

Color	green (RAL 6021)
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Environmental and real-life conditions

Ambient conditions	
Ambient temperature (operation)	-20 °C 50 °C
Ambient temperature (storage/transport)	-20 °C 70 °C

Standards and regulations

Mounting position

	Standards/regulations	IEC 60947-5-1
М	ounting	
	Mounting type	DIN rail mounting
	Assembly note	in rows with zero spacing

any

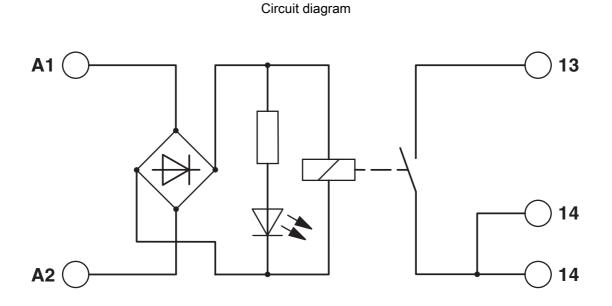
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Drawings



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Approvals

🌣 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2940171

.R 1	CUL Recognized Approval ID: E238705
71	UL Recognized Approval ID: E238705
	EAC Approval ID: RU*C-DE.*08.B.00010
cU	ILus Recognized

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Classifications

ECLASS

ECLASS-12.0 27371601	ECLASS-11.0	27371601
ECI ASS 13.0 27271601	ECLASS-12.0	27371601
2/3/1001	ECLASS-13.0	27371601

ETIM

	ETIM 9.0	EC001437
UN	NSPSC	
	UNSPSC 21.0	39122300

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Environmental product compliance

EU RoHS

Yes 7(a), 7(c)-l
7(a), 7(c)-l
EFUP-50
An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
Lead(CAS: 7439-92-1)
9b235608-6f54-4508-85fb-8f2708416cbb
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Accessories

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Note: Applying some accessories below might limit this product.

EB 80- DIK RD - Insertion bridge

2715953 https://www.phoenixcontact.com/us/products/2715953

Insertion bridge, pitch: 6.2 mm, number of positions: 80, color: red



1 Max. current carrying capacity: 26 A

EB 80- DIK BU - Insertion bridge

2715940 https://www.phoenixcontact.com/us/products/2715940

Insertion bridge, pitch: 6.2 mm, number of positions: 80, color: blue



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EB 10- DIK BU - Insertion bridge

2716680

https://www.phoenixcontact.com/us/products/2716680



Insertion bridge, pitch: 6.15 mm, number of positions: 10, color: blue

1 Max. current carrying capacity: 26 A

EB 5- DIK BU - Insertion bridge

2716677

https://www.phoenixcontact.com/us/products/2716677



Insertion bridge, pitch: 6.15 mm, number of positions: 5, color: blue

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EB 10- DIK RD - Insertion bridge

2716774

https://www.phoenixcontact.com/us/products/2716774



Insertion bridge, pitch: 6.15 mm, number of positions: 10, color: red

1 Max. current carrying capacity: 26 A

EB 5- DIK RD - Insertion bridge

2716761

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Insertion bridge, pitch: 6.15 mm, number of positions: 5, color: red

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EB 4- DIK RD - Insertion bridge

2716758

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Insertion bridge, pitch: 6.15 mm, number of positions: 4, color: red

Max. current carrying capacity: 26 A

EB 3- DIK RD - Insertion bridge

2716745

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Insertion bridge, pitch: 6.15 mm, number of positions: 3, color: red

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D-DEK 1,5 GN - Separating plate

2716949

https://www.phoenixcontact.com/us/products/2716949

Cover for setting the end of a terminal row, color: green



ZB 6:UNBEDRUCKT - Zack marker strip

1051003 https://www.phoenixcontact.com/us/products/1051003



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: latching, for terminal block width: 6.2 mm, Number of individual labels: 10, text field height: 10.5 mm, text field width: 6.15 mm

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ZB 6,LGS:FORTL.ZAHLEN - Zack marker strip

1051016

https://www.phoenixcontact.com/us/products/1051016



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: latching, for terminal block width: 6.2 mm, Number of individual labels: 10, text field height: 10.5 mm, text field width: 6.15 mm

ZB 6/WH-100:UNBEDRUCKT - Zack marker strip

5060935

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Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: latching, for terminal block width: 6.2 mm, Number of individual labels: 1000, text field height: 10.5 mm, text field width: 6. 15 mm

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DIKD 1,5 - Initiator/actuator terminal block

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Initiator/actuator terminal block, nom. voltage: 250 V, nominal current: 24 A, connection method: Screw connection, 1st, 2nd and 3rd level, Rated cross section: 2.5 mm², cross section: 0.2 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

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