


# DEK-REL-G24/21

Order No.: 2964500



<http://eshop.phoenixcontact.net/phoenix/treeViewClick.do?UID=2964500>

Relay terminal block, with soldered-in miniature power relay, contacts (AgSnO): medium to large loads, 1 PDT, input voltage 24 V DC, for assembly on NS 35/7.5, terminal width 6.2 mm

Commercial data	
EAN	 4 017918 117733
Pack	10 pcs.
Customs tariff	85364190
Gross weight in pieces	0.02641 KG
Net weight per piece (exclusive packing)	0.02641 KG
Catalog page information	Page 127 (IF-2011)

#### Product notes

WEEE/RoHS-compliant since:  
01/02/2006



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Technical data	
<b>Coil side</b>	
Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.8 ... 1.1
Nominal input current at $U_{IN}$	9 mA
Typical response time	8 ms

Typical release time	5 ms
Operating voltage display	Yellow LED
Protective circuit	Protection against polarity reversal Polarity protection diode
	Free-wheeling diode Damping diode

#### Contact side

Contact type	Single contact, 1-PDT
Contact material	AgSnO
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V AC/DC
Maximum inrush current	6 A
Min. switching current	10 mA
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	140 W (at 24 V DC)
	20 W (for 48 V DC)
	18 W (for 60 V DC)
	23 W (for 110 V DC)
	40 W (for 220 V DC)
	1500 VA (for 250 V AC)

#### General data

Width	6.2 mm
Height	80 mm
Depth	56 mm
Test voltage relay winding/relay contact	4 kV AC (50 Hz, 1 min.)
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Operating mode	100% operating factor
Mechanical service life	Approx. 10 <sup>7</sup> cycles
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage / insulation	6 kV (safe isolation: control side / contact side)
Rated insulation voltage	250 V
Pollution degree	2
Surge voltage category	III

Mounting position	Any
Assembly instructions	In rows with zero spacing

**Connection data**

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 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	14
Stripping length	8 mm
Screw thread	M3

**Certificates / Approvals**



Certification cULus Recognized, GOST

Certifications applied for:

Certification Ex:

**Accessories**

Item	Designation	Description
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**Assembly**

2716949	D-DEK 1,5 GN	Cover for setting the end of a terminal row, color: green
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**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

**Address**

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