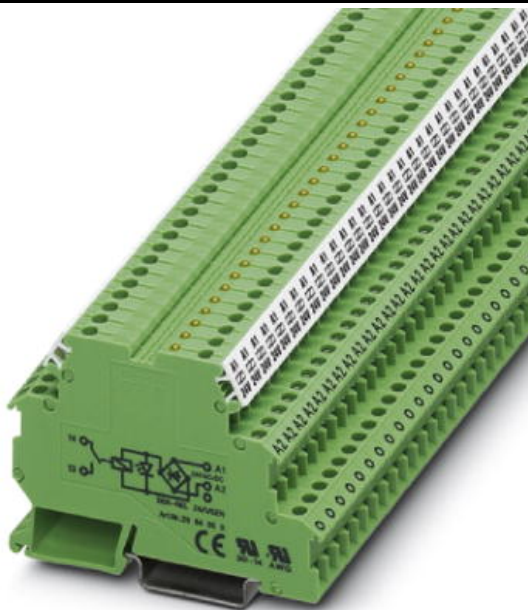


Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

► Extract from the online catalog



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, design rotated

Order No.	2941154
Ord designation	DEK-REL- 24/O/1
EAN	4017918080310
Pack	10 Pcs.
Customs tariff	85364190
Weight/Piece	0.0269 KG
Catalog page information	Page 103 (IF-2007)

► Product notes

WEEE/RoHS-compliant since: 11/13/2006



IMPORTANT : This date is valid for Customers in Germany only. Date Format is MM/DD/YYYY. Please contact your local in-country Phoenix Contact location or designated business partner for a Logistics Compliant date in your area. In order to guarantee delivery of RoHS-Compliant product, please purchase Phoenix Contact parts from authorized Phoenix Contact representatives and distributors.

▶ **Technical data**

Coil side

Nominal input voltage U_N	24 V AC/DC
Nominal input voltage U_N	24 V DC
Nominal input voltage U_N	24 V AC
Input voltage range in reference to U_N	0.8 ... 1.1
Nominal input current at U_N	6.5 mA
Typical response time	5 ms
Typical release time	15 ms
Operating voltage display	Yellow LED
Name of protection	Bridge rectifier
Protective circuit/component	Bridge rectifier

Contact side

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

General data

Length	80 mm
Height	56 mm
Width	6.2 mm
Test voltage relay winding/relay contact	2 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
Service life mechanical	Approx. 2×10^7 cycles
Standards/regulations	IEC 60664
Standards/regulations	IEC 60664 A
Standards/regulations	DIN VDE 0110
Standards/regulations	IEC 60255/DIN VDE 0435 (in relevant parts)
Standards/regulations	DIN EN 50178/DIN VDE 0160 (in relevant parts)
Contamination class	2
Surge voltage category	III

Connection data

Type of connection	Screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²

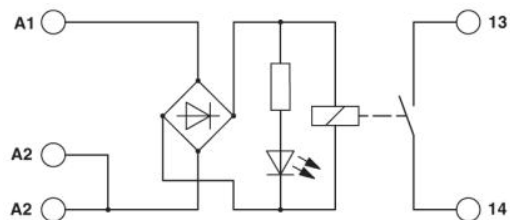
DEK-REL- 24/O/1



Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Stripping length	8 mm
Screw thread	M 3

▶ Drawings

Circuit diagram



► Accessories

Item	Designation	Description
Assembly		
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, for middle and bottom level, 2-pos., color of the insulating material: blue
2716693	EB 2- DIK RD	Insertion bridge, for middle and bottom level, 2-pos., color of the insulating material: red
2716651	EB 3- DIK BU	Insertion bridge, for middle and bottom level, 3-pos., color of the insulating material: blue
2716745	EB 3- DIK RD	Insertion bridge, for middle and bottom level, 3-pos., color of the insulating material: red
2716664	EB 4- DIK BU	Insertion bridge, for middle and bottom level, 4-pos., color of the insulating material: blue
2716758	EB 4- DIK RD	Insertion bridge, for middle and bottom level, 4-pos., color of the insulating material: red
2716677	EB 5- DIK BU	Insertion bridge, for middle and bottom level, 5-pos., color of the insulating material: blue
2716761	EB 5- DIK RD	Insertion bridge, for middle and bottom level, 5-pos., color of the insulating material: red
2716680	EB 10- DIK BU	Insertion bridge, for middle and bottom level, 10-pos., color of the insulating material: blue
2716774	EB 10- DIK RD	Insertion bridge, for middle and bottom level, 10-pos., color of the insulating material: red
2715940	EB 80- DIK BU	Insertion bridge, divisible, for middle and bottom level, 80-pos., insulating material: Blue
2715953	EB 80- DIK RD	Insertion bridge, divisible, for middle and bottom level, 80-pos., insulating material: Red
2715788	EB 80- DIK WH	Insertion bridge, divisible, for middle and bottom level, 80-pos., insulating material: White

► Address

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