

Relay Module - DEK-REL- 24/1/S - 2964131

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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, with integrated "manual", "0", "automatic" switch, for assembly on NS 35/7.5, terminal width 6.2 mm

Why buy this product

- Just 6.2 mm wide
- Safe isolation according to DIN EN 50178 between coil and contact
- Increased contact reliability thanks to double contact
- Max. switching current of 5 A



Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 101015
GTIN	4017918101015
Weight per Piece (excluding packing)	26.260 g
Custom tariff number	85364190
Country of origin	China

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	6.2 mm
Height	80 mm
Depth	61 mm

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Technical data

Ambient conditions

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

Coil side

Nominal input voltage U_N	24 V AC/DC
Input voltage range in reference to U_N	0.8 ... 1.1
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
Power dissipation for nominal condition	0.16 W

Contact side

Contact type	1 N/O contact
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
Min. switching current	1 mA
Maximum inrush current	5 A
Limiting continuous current	3 A (5 A up to 35°C at 24 V DC)
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°)

General

Test voltage relay winding/relay contact	2 kV AC (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	Approx. 2×10^7 cycles
Mounting position	any
Assembly instructions	In rows with zero spacing

Connection data input side

Connection name	Coil side
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Technical data

Connection data input side

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	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
Torque	0.5 Nm

Connection data output side

Connection name	Contact side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	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
Torque	0.5 Nm

Standards and Regulations

Connection in acc. with standard	CUL
Standards/regulations	IEC 60664
	EN 50178
Insulation	Basic insulation
Degree of pollution	2
Overvoltage category	III

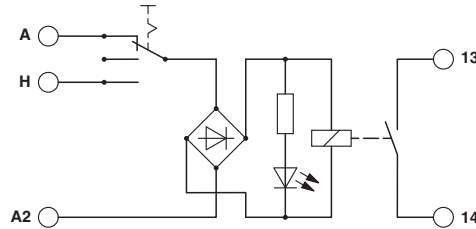
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

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Circuit diagram



Classifications

eCl@ss

eCl@ss 4.0	27371104
eCl@ss 4.1	27371104
eCl@ss 5.0	27371601
eCl@ss 5.1	27371601
eCl@ss 6.0	27371601
eCl@ss 7.0	27371601
eCl@ss 8.0	27371601
eCl@ss 9.0	27371601

ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001437
ETIM 5.0	EC001437
ETIM 6.0	EC001437

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39122334

Approvals

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UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

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Approvals

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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EAC			RU C- DE.A*30.B.01082
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EAC			RU C- DE.A*30.B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	
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Accessories

Accessories

Insertion bridge

Insertion bridge - EB 2- DIK RD - 2716693



Insertion bridge, pitch: 6.15 mm, number of positions: 2, color: red

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Accessories

Insertion bridge - EB 3- DIK RD - 2716745



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

Insertion bridge - EB 4- DIK RD - 2716758



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

Insertion bridge - EB 5- DIK RD - 2716761



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

Insertion bridge - EB 10- DIK RD - 2716774



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

Insertion bridge - EB 2- DIK BU - 2716648



Insertion bridge, pitch: 6.15 mm, number of positions: 2, color: blue

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Accessories

Insertion bridge - EB 3- DIK BU - 2716651



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

Insertion bridge - EB 4- DIK BU - 2716664



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

Insertion bridge - EB 5- DIK BU - 2716677



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

Insertion bridge - EB 10- DIK BU - 2716680



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

Insertion bridge - EB 80- DIK BU - 2715940



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

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Accessories

Insertion bridge - EB 80- DIK RD - 2715953



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

Insertion bridge - EB 80- DIK WH - 2715788



Insertion bridge, pitch: 6.15 mm, number of positions: 80, color: white

Labeled terminal marker

Zack marker strip - ZB 6,LGS:FORTL.ZAHLEN - 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: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm

Partition plate

Separating plate - D-DEK 1,5 GN - 2716949



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

Sensor/actuator terminal block

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Accessories

Sensor/actuator terminal block - DIKD 1,5 - 2715979



Sensor/actuator terminal block, connection method: Screw connection, cross section: 0.2 mm² - 4 mm², AWG: 24 - 12, width: 6.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

Terminal marking

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm

Zack marker strip - ZB 6/WH-100:UNBEDRUCKT - 5060935



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm