# 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 |

### 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. 2x $10^7$ cycles |
| Mounting position | any |
| Assembly instructions | In rows with zero spacing |

### Connection data input side

| | |
|---|---|
| Connection name | Coil side |

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

## Technical data

### Connection data input side

| | |
|---|---|
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Conductor cross section solid | 0.2 mm² ... 2.5 mm² |
| Conductor cross section flexible | 0.2 mm² ... 2.5 mm² |
| Conductor cross section AWG | 24 ... 14 |

### 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 mm² ... 2.5 mm² |
| Conductor cross section flexible | 0.2 mm² ... 2.5 mm² |
| Conductor cross section AWG | 24 ... 14 |

### 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” |

## Approvals

### Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

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

## Approvals

### Approval details

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

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