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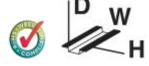


Relay terminal block, with soldered-in miniature relays, contact (AgNi+Au): small to medium loads, 1 N/O contact, input voltage 5 V AC/DC, for assembly on NS 35/7.5, terminal width 6.2 mm, design rotated

The illustration shows the version DEK-REL- 24/O/1

Product Features

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



Key Commercial Data

Packing unit	1 pc
GTIN	4 017918 080327
Weight per Piece (excluding packing)	25.48 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



Technical data

Dimensions

Width	6.2 mm
Height	80 mm
Depth	56 mm

Ambient conditions

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

Coil side

Nominal input voltage U _N	5 V AC/DC
	5 V DC
	5 V AC
Input voltage range in reference to U _N	0.9 1.1
Typical input current at U _N	23 mA
Typical response time	8 ms
Typical release time	15 ms
Protective circuit	Bridge rectifier Bridge rectifier
Operating voltage display	Yellow LED
Power dissipation for nominal condition	0.12 W

Contact side

Contact type	1 N/O 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



Technical data

General

Mechanical service life	Approx. 2 x 10 ⁷ cycles
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage/insulation	Basic insulation
Pollution degree	2
Overvoltage category	III
Mounting position	any
Assembly instructions	In rows with zero spacing

Connection data input side

Connection name	Coil 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

Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage/insulation	Basic insulation
Pollution degree	2
Overvoltage category	III



Classifications

eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
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

UNSPSC

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

Approvals

Approvals

Approvals

EAC / EAC

Ex Approvals

Approvals submitted

Approval details



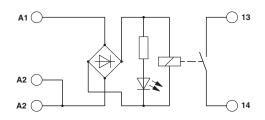
Approvals

EAC

EAC

Drawings

Circuit diagram



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