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Input solid-state relay, transmission frequency: 100 kHz, with LED and protective circuit in input and output circuits, input: 5 V DC, output: 4 - 30 V DC/50 mA

The illustration shows the version DEK-OE- 24DC/24DC/100KHZ

Why buy this product

- With capacitor on the input side for interference suppression
- ☑ Limit frequency of up to 100 kHz
- ☑ Push/pull stage on output side
- ☑ Includes signal inputs on PLC counter boards

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Key commercial data

Packing unit	10 pc
GTIN	4 017918 107406
Weight per Piece (excluding packing)	21.79 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	56 mm



Technical data

Ambient conditions

Ambient temperature (operation)	-20 °C 60 °C
Ambient temperature (storage/transport)	-20 °C 70 °C

Input data

Nominal input voltage U _N	5 V DC
Input voltage range in reference to U _N	0.8 1.2
Switching threshold "0" signal in reference to U _N	≤ 0.4
Switching threshold "1" signal in reference to U _N	≥ 0.8
Typical input current at U _N	7 mA
Typical response time	1.5 µs
Typical turn-off time	2 μs
Operating voltage display	Yellow LED
Type of protection	Protection against polarity reversal
	Surge protection
Protective circuit/component	Polarity protection diode
Transmission frequency	100 kHz

Output data

Output voltage range	4 V DC 30 V DC
Limiting continuous current	50 mA
Quiescent current	4.3 mA
Voltage drop at max. limiting continuous current	≤ 0.5 V DC
Output circuit	3-conductor, ground-referenced
Type of protection	Surge protection
Protective circuit/component	Suppressor diode

Connection data

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12

General

Test voltage input/output	2.5 kV AC
	2.5 kV AC
Mounting position	any



Technical data

General

Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage/insulation	Basic insulation
Pollution degree	2
Surge voltage category	П

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	27371604

ETIM

ETIM 2.0	EC001504
ETIM 3.0	EC001504
ETIM 4.0	EC001504
ETIM 5.0	EC001504

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542
UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39121542

Approvals

Approvals

Approvals

EAC / EAC



Approvals
ix Approvals
pprovals submitted
Approval details
EAC
EAC
Accessories
Accessories
nsertion bridge
nsertion bridge - EB 2- DIK RD - 2716693



Insertion bridge, Number of positions: 2, Color: red

Insertion bridge - EB 3- DIK RD - 2716745



Insertion bridge, Number of positions: 3, Color: red

Insertion bridge - EB 4- DIK RD - 2716758



Insertion bridge, Number of positions: 4, Color: red



Accessories

Insertion bridge - EB 5- DIK RD - 2716761



Insertion bridge, Number of positions: 5, Color: red

Insertion bridge - EB 10- DIK RD - 2716774



Insertion bridge, Number of positions: 10, Color: red

Insertion bridge - EB 2- DIK BU - 2716648



Insertion bridge, Number of positions: 2, Color: blue

Insertion bridge - EB 3- DIK BU - 2716651



Insertion bridge, Number of positions: 3, Color: blue

Insertion bridge - EB 4- DIK BU - 2716664



Insertion bridge, Number of positions: 4, Color: blue



Accessories

Insertion bridge - EB 5- DIK BU - 2716677



Insertion bridge, Number of positions: 5, Color: blue

Insertion bridge - EB 10- DIK BU - 2716680



Insertion bridge, Number of positions: 10, Color: blue

Insertion bridge - EB 80- DIK BU - 2715940



Insertion bridge, Number of positions: 80, Color: blue

Insertion bridge - EB 80- DIK RD - 2715953



Insertion bridge, Number of positions: 80, Color: red

Insertion bridge - EB 80- DIK WH - 2715788



Insertion bridge, Number of positions: 80, Color: white

Labeled terminal marker



Accessories

Zack marker strip - ZB 6,LGS:FORTL.ZAHLEN - 1051016



Zack marker strip, Strip, white, labeled, can be labeled with: 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: 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

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



Sensor/actuator terminal block, Cross section: 0.2 mm² - 4 mm², AWG: 24 - 12, Connection type: Screw connection, 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: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: $6.15 \times 10.5 \text{ mm}$

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

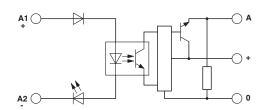


Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm



Drawings

Circuit diagram



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