Extract from the online catalog

DEK-OV- 24DC/240AC/800

Order No.: 2964649



http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2964649

Power optocoupler terminal block, input: 24 V DC, output: 10-253 V AC/800 mA, terminal width 6.2 mm



Product notes

WEEE/RoHS-compliant since: 02/22/2007

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Commercial data

GTIN (EAN)	4 017918 131043
sales group	G121
Pack	10 pcs.
Customs tariff	85364190
Catalog page information	Page 121 (IF-2009)

Technical data

Input data

Nominal input voltage U_N	24 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	10.7 mA
Typical response time	< 10 ms
Typical turn-off time	< 10 ms
Operating voltage display	Yellow LED
Type of protection	Protection against polarity reversal
	Surge protection
Protective circuit/component	Polarity protection diode
Transmission frequency	10 Hz

Output data

Output nominal voltage range	10 V AC ... 253 V AC (50/60 Hz)
Limiting continuous current	0.8 A (see derating curve)
Maximum inrush current	30 A (t = 10 ms)
Min. load current	10 mA
Leakage current	1.2 mA (in off state)
Max. load value	4.5 A^2s
Peak offstate voltage	600 V (Periodic peak reverse voltage)
Voltage drop at max. limiting continuous current	≤ 1 V
Output circuit	2-conductor floating, zero voltage switch
Type of protection	RCV circuit
Protective circuit/component	RCV circuit

Connection data

Type of connection	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 stranded min.	0.2 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

General data

Width	6.2 mm
Height	80 mm

Depth	56 mm
Test voltage input/output	2.5 kV AC
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Mounting position	Any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Name	Standards/regulations
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage / insulation	Basic insulation
Pollution degree	2
Surge voltage category	III

Certificates / Approvals

Certification	GOST

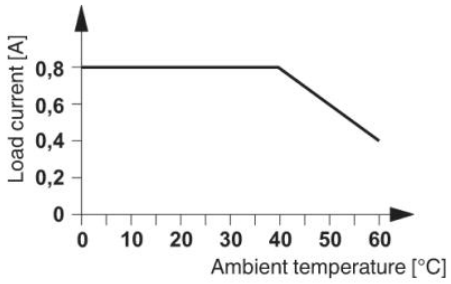
Accessories

Item	Designation	Description
Bridges		
2716648	EB 2- DIK BU	Insertion bridge, Number of positions: 2, Color: blue
2716693	EB 2- DIK RD	Insertion bridge, Number of positions: 2, Color: red
2716651	EB 3- DIK BU	Insertion bridge, Number of positions: 3, Color: blue
2716745	EB 3- DIK RD	Insertion bridge, Number of positions: 3, Color: red
2716664	EB 4- DIK BU	Insertion bridge, Number of positions: 4, Color: blue
2716758	EB 4- DIK RD	Insertion bridge, Number of positions: 4, Color: red
2716677	EB 5- DIK BU	Insertion bridge, Number of positions: 5, Color: blue
2716761	EB 5- DIK RD	Insertion bridge, Number of positions: 5, Color: red
2716680	EB 10- DIK BU	Insertion bridge, Number of positions: 10, Color: blue

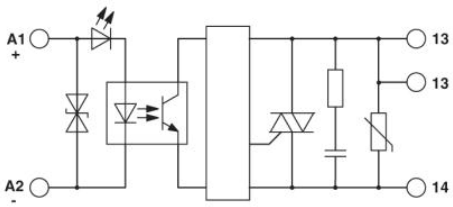
2716774	EB 10- DIK RD	Insertion bridge, Number of positions: 10, Color: red
2715940	EB 80- DIK BU	Insertion bridge, Number of positions: 80, Color: blue
2715953	EB 80- DIK RD	Insertion bridge, Number of positions: 80, Color: red
2715788	EB 80- DIK WH	Insertion bridge, Number of positions: 80, Color: white

Diagrams/Drawings

Diagram



Circuit diagram



1 = zero voltage switch

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