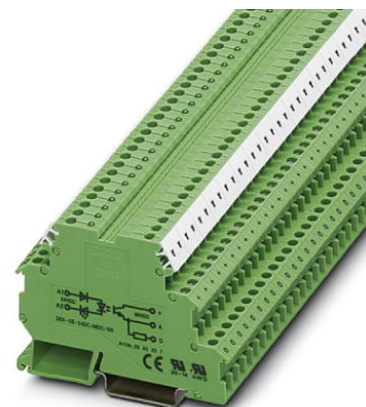


DEK-OE-230AC/ 48DC/100

Order No.: 2940210

The illustration shows the version DEK-OE- 24DC/48DC/100



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2940210>

Input optocoupler terminal block, input: 230 V AC, output: 3 - 48 V DC/100 mA, terminal width 6.2 mm

Commercial data

EAN	4017918079918
Pack	10 pcs.
Customs tariff	85364900
Weight/Piece	0.02374 KG
Catalog page information	Page 120 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
10/17/2006



<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Input data

Nominal input voltage U_N	230 V AC
Input voltage range in reference to U_N	0.9 ... 1.1
Switching threshold "0" signal, voltage	≤ 92 V
Switching threshold "0" signal in reference to U_N	≤ 0.4
Switching threshold "1" signal voltage	≥ 207 V

Switching threshold "1" signal in reference to U_N	≥ 0.9
Typical input current at U_N	2.5 mA
Typical response time	10 ms
Typical turn-off time	20 ms
Operating voltage display	Yellow LED
Name of protection	Polarity protection
	Surge protection
Transmission frequency	3 Hz

Output data

Output nominal voltage range	3 V DC ... 48 V DC
Limiting continuous current	100 mA
Voltage drop at max. limiting continuous current	≤ 0.9 V
Output circuit	2-conductor floating, 3-conductor ground-referenced
Name of protection	Polarity protection
	Free-wheeling diode
Protective circuit/component	Polarity protection diode
	Damping diode
Output resistor	Approx. 22 k Ω (for 3-wire operation)

Connection data

Type of connection	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14

General data

Width	6.2 mm
Height	56 mm
Depth	80 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
Standards/regulations	IEC 60664
	IEC 60664 A
	DIN VDE 0110
Pollution degree	2
Surge voltage category	III

Certificates / Approvals



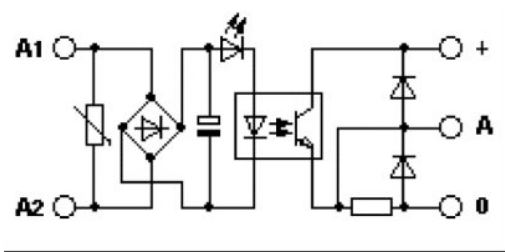
Certification GOST

Accessories

Item	Designation	Description
Bridges		
2716693	EB 2- DIK RD	Cross connector/bridge, Number of positions: 2, Color: red
2716651	EB 3- DIK BU	Cross connector/bridge, Number of positions: 3, Color: blue
2716651	EB 3- DIK BU	Cross connector/bridge, Number of positions: 3, Color: blue
2716745	EB 3- DIK RD	Cross connector/bridge, Number of positions: 3, Color: red
2716664	EB 4- DIK BU	Cross connector/bridge, Number of positions: 4, Color: blue
2716758	EB 4- DIK RD	Cross connector/bridge, Number of positions: 4, Color: red
2716677	EB 5- DIK BU	Cross connector/bridge, Number of positions: 5, Color: blue
2716761	EB 5- DIK RD	Cross connector/bridge, Number of positions: 5, Color: red
2716680	EB 10- DIK BU	Cross connector/bridge, Number of positions: 10, Color: blue
2716774	EB 10- DIK RD	Cross connector/bridge, Number of positions: 10, Color: red
2715940	EB 80- DIK BU	Cross connector/bridge, Number of positions: 80, Color: blue
2715953	EB 80- DIK RD	Cross connector/bridge, Number of positions: 80, Color: red
2715788	EB 80- DIK WH	Cross connector/bridge, Number of positions: 80, Color: white

Diagrams/Drawings

Circuit diagram



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