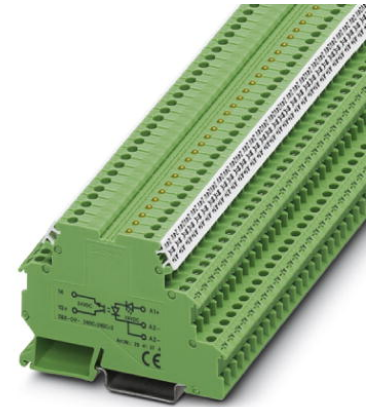


# DEK-OV- 24DC/24DC/3

Order No.: 2941374




<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2941374>

Power optocoupler terminal block, input: 24 V DC, output: 3-30 V DC/3 A, terminal width 6.2 mm

Commercial data	
EAN	4017918080396
Pack	10 Pcs.
Customs tariff	85364190
Weight/Piece	0.02513 KG
Catalog page information	Page 105 (IF-2007)

**Product notes**

WEEE/RoHS-compliant since: 08/27/2007



<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 $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.8 ... 1.2
Switching threshold "0" signal in reference to $U_N$	$\leq 0.4$
Switching threshold "1" signal in reference to $U_N$	$\geq 0.8$

Typical input current at $U_N$	7 mA
Typical response time	40 $\mu$ s
Typical turn-off time	200 $\mu$ s
Operating voltage display	Yellow LED
Name of protection	Polarity protection
Transmission frequency	300 Hz

#### Output data

Output nominal voltage range	3 V DC ... 30 V DC
Limiting continuous current	3 A
Voltage drop at max. limiting continuous current	$\leq 0.2$ V
Output circuit	2-conductor floating
Name of protection	Polarity protection
	Surge protection
Protective circuit/component	Polarity protection diode

#### Connection data

Type of connection	Screw connection
Stripping length	8 mm
Screw thread	M 3
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14

#### General data

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

### Certificates / Approvals

#### Approval logo



#### requested approbations

Certification	GOST
---------------	------

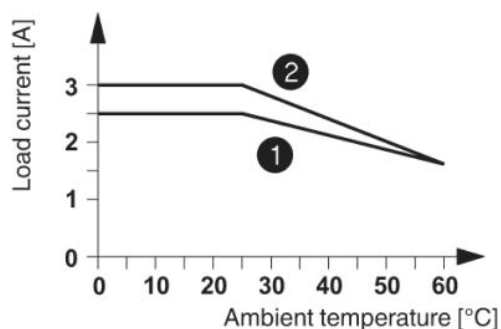
### Accessories

Item	Designation	Description
<b>Bridges</b>		
2716648	EB 2- DIK BU	Insertion bridge, for middle and bottom level, 2-pos., color of the insulating material: blue
2716693	EB 2- DIK RD	Insertion bridge, for middle and bottom level, 2-pos., color of the insulating material: red
2716651	EB 3- DIK BU	Insertion bridge, for middle and bottom level, 3-pos., color of the insulating material: blue
2716745	EB 3- DIK RD	Insertion bridge, for middle and bottom level, 3-pos., color of the insulating material: red
2716664	EB 4- DIK BU	Insertion bridge, for middle and bottom level, 4-pos., color of the insulating material: blue
2716758	EB 4- DIK RD	Insertion bridge, for middle and bottom level, 4-pos., color of the insulating material: red
2716677	EB 5- DIK BU	Insertion bridge, for middle and bottom level, 5-pos., color of the insulating material: blue
2716761	EB 5- DIK RD	Insertion bridge, for middle and bottom level, 5-pos., color of the insulating material: red
2716680	EB 10- DIK BU	Insertion bridge, for middle and bottom level, 10-pos., color of the insulating material: blue
2716774	EB 10- DIK RD	Insertion bridge, for middle and bottom level, 10-pos., color of the insulating material: red

2715940	EB 80- DIK BU	Insertion bridge, divisible, for middle and bottom level, 80-pos., insulating material: Blue
2715953	EB 80- DIK RD	Insertion bridge, divisible, for middle and bottom level, 80-pos., insulating material: Red
2715788	EB 80- DIK WH	Insertion bridge, divisible, for middle and bottom level, 80-pos., insulating material: White

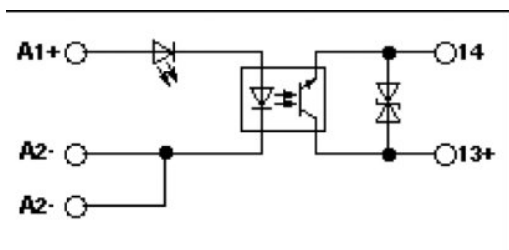
**Drawings**

Diagram



- ① Horizontal mounting
- ② Vertical mounting

Circuit diagram



**Address**

PHOENIX CONTACT Inc., USA  
586 Fulling Mill Road  
Middletown, PA 17057, USA  
Phone (800) 888-7388  
Fax (717) 944-1625  
<http://www.phoenixcon.com>



© 2008 Phoenix Contact  
Technical modifications reserved;