

DEK-OE- 5DC/ 24DC/100KHZ

Order No.: 2964270

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



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2964270>

Input optocoupler, transmission frequency 100 kHz, with light indicator and protection circuit in input and output circuit, input: 5 V DC, output: 4 - 30 V DC/ 50 mA



Commercial data

EAN	4017918107406
Pack	10 pcs.
Customs tariff	85364190
Weight/Piece	0.0243 KG
Catalog page information	Page 140 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
05/16/2006



<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	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 μ s
Typical turn-off time	2 μ s
Operating voltage display	Yellow LED
Name of protection	Polarity protection
	Surge protection
Protective circuit/component	Polarity protection diode
Transmission frequency	100 kHz

Output data

Output nominal 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
Name of protection	Surge protection
Protective circuit/component	Suppressor diode

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.	4 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	12

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
Rated surge voltage / insulation	Basic insulation
Pollution degree	2
Surge voltage category	II

Certificates / Approvals

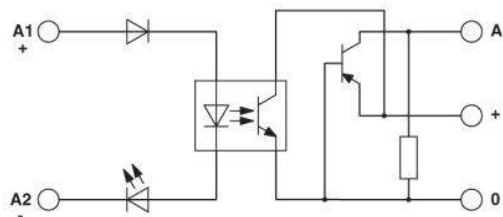


Certification

GOST

Diagrams/Drawings

Circuit diagram



Address

PHOENIX CONTACT Deutschland GmbH
Flachmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
<http://www.phoenixcontact.de>



© 2010 Phoenix Contact
Technical modifications reserved;