

INDUSTRIAL COMPONENT DATA

DEK-OE- 5DC/ 5DC/100KHZ-G 2964542 PHOENIX CONTACT

Solid-state relay terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: DEK-OE-5DC/ 5DC/100KHZ-G



Manufacturer	PHOENIX CONTACT
MPN / Reference	DEK-OE-5DC/ 5DC/100KHZ-G
Catalog number	2964542
Category	Optocoupler
Minimum order	1 Pcs
Document ID	EO-274D831B2C
Generated	2026-07-29

Product Overview

Solid-state relay terminal block

Input solid-state relay, with DC voltage output phase shift, 100 kHz transfer frequency, with indicator light and protection circuit in input and output circuit, input: 5 V DC, output: 4 - 18 V DC/50 mA

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path **PHOENIX CONTACT > Industrial Relays**

Additional Product Information

Key Commercial Data

Orderkey 2964542

Packing unit 10 pc

Catalog page Page 451 (C-5-2017)

GTIN 4017918131005

Weight per Piece (excluding packing) 21.900 g

Custom tariff number 85364190

Country of origin CN (China)

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

Ambient conditions

Ambient temperature (operation) -20 °C ... 60 °C

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

Input data

Nominal input voltage UN 5 V DC

Input voltage range in reference to UN 0.5 ... 1.2

Input voltage range 2.5 V DC ... 6 V DC

Switching threshold "0" signal in reference to UN ≤ 0.3

Switching threshold "1" signal in reference to UN ≥ 0.5

Typical input current at UN 8 mA

Typical response time 1 μ s

Typical turn-off time 2 μ s

Operating voltage display Yellow LED

Type of protection Reverse polarity protection

Surge protection

Protective circuit/component Polarity protection diode

Transmission frequency 100 kHz

Output data

Output voltage range 4 V DC ... 18 V DC

Limiting continuous current 50 mA

Quiescent current 8.5 mA

Voltage drop at max. limiting continuous current ≤ 1.2 V DC

Output circuit 3-conductor push-pull, ground referenced

Type of protection Surge protection

Protective circuit/component Suppressor diode

Connection data, input side

Connection name Input side

Connection method Screw connection

Stripping length 8 mm

Screw thread M3

Conductor cross section solid 0.2 mm² ... 4 mm²

Cond...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / DEK-OE-5DC/ 5DC/100KHZ-G with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.