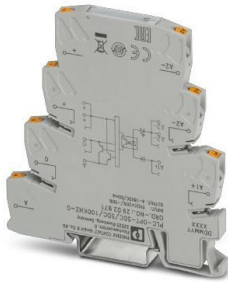


INDUSTRIAL COMPONENT DATA

PLC-OPT- 5DC/ 5DC/100KHZ-G 2902971 PHOENIX CONTACT

Solid-state relay module

Brand: PHOENIX CONTACT | Manufacturer Part Number: PLC-OPT-5DC/ 5DC/100KHZ-G



Manufacturer	PHOENIX CONTACT
MPN / Reference	PLC-OPT-5DC/ 5DC/100KHZ-G
Catalog number	2902971
Category	Optocoupler
Minimum order	1 Pcs
Document ID	EO-6D3793B7A2
Generated	2026-07-31

Product Overview

Solid-state relay module

Eingabe-Solid-State-Relais, mit Gleichspannungsausgang-Gegentakt, Übertragungsfrequenz: 100 kHz, mit Leuchtanzeige und Schutzbeschaltung im Ein- und Ausgangskreis, Eingang: 5 V DC, Ausgang: 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 2902971

Packing unit 1 pc

Note Made to Order (non-returnable)

Catalog page Page 411 (C-5-2017)

GTIN 4046356702775

Weight per Piece (excluding packing) 32.860 g

Custom tariff number 85364190

Country of origin DE (Germany)

Note

Utilization restriction EMC: class A product, see manufacturer's declaration in the download area

Dimensions

Width 6.2 mm

Height 80 mm

Depth 86 mm

Ambient conditions

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

Ambient temperature (storage/transport) -25 °C ... 75 °C

Degree of protection IP20

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 µs

Typical turn-off time 2 µs

Operating voltage display Yellow LED

Type of protection Reverse polarity protection

Surge protection

Surge voltage protection > 14 V

Transmission frequency 100 kHz

Power dissipation for nominal condition 0.04 W

Output data

Designation Output data

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

Limiting continuous current 50 mA

Quiescent current 8.5 mA

Surge voltage protection > 35 V

Voltage drop at max. limiting continuous current < 1.2 V

Output circuit 3-conductor push-pull, ground referenced

Type of protection Reverse polarity protection

Surge protection

Connection data 1

Connection name Input side

Connection me...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PLC-OPT-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

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