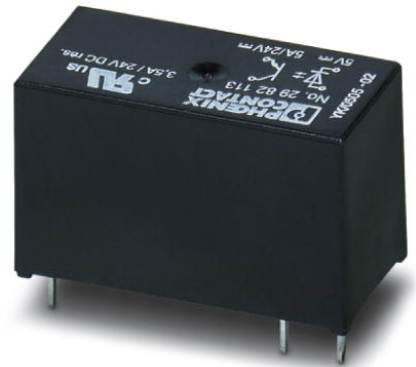


## OPT- 5DC/ 24DC/ 5


Order No.: 2982113

The illustration shows the version OPT-24DC/24DC/5



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2982113>

Pluggable miniature optocouplers, power optocouplers, input: 5 V DC, output: 3-33 V DC/5 A

Commercial data	
GTIN (EAN)	 4 017918 989774
Note	Made-to-order
sales group	G151
Pack	10 pcs.
Customs tariff	85364190
Catalog page information	Page 101 (IF-2011)

### Product notes

WEEE/RoHS-compliant since:  
08/28/2006



<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	
<b>Input data</b>	
Nominal input voltage $U_N$	5 V DC
Input voltage range in reference to $U_N$	0.8 ... 1.2
Switching threshold "0" signal, voltage	$\leq 0.8$ V
Switching threshold "1" signal voltage	$\geq 2.5$ V

Typical input current at $U_N$	9 mA
Typical response time	10 $\mu$ s
Typical turn-off time	400 $\mu$ s
Type of protection	Protection against polarity reversal
Protective circuit/component	Polarity protection diode
Transmission frequency	300 Hz

#### Output data

Output nominal voltage	24 V DC
Output nominal voltage range	3 V DC ... 33 V DC
Limiting continuous current	5 A (see derating curve)
Maximum inrush current	15 A (10 ms)
Surge voltage protection	> 33 V DC
Voltage drop at max. limiting continuous current	$\leq$ 200 mV
Output circuit	2-wire, floating
Type of protection	Protection against polarity reversal
	Surge protection
Protective circuit/component	Polarity protection diode

#### General data

Width	12.7 mm
Height	29 mm
Depth	15.7 mm
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Mounting position	Any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Degree of protection	IP67
Inflammability class acc. to UL 94	V0
Name	Standards/regulations
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage / insulation	Basic insulation
Rated insulation voltage	100 V DC

Pollution degree	2
Surge voltage category	III

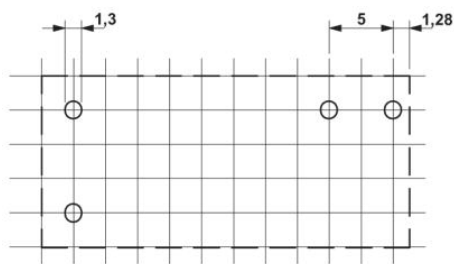
**Certificates / Approvals**



Certification CUL, UL

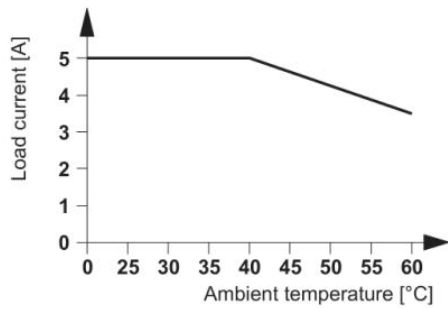
**Diagrams/Drawings**

Drilling plan/solder pad geometry



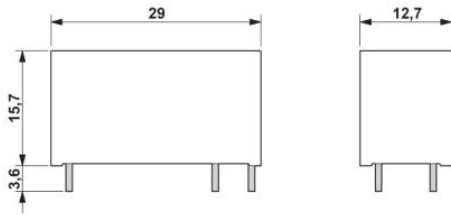
Basic pitch 2.5 mm

Diagram



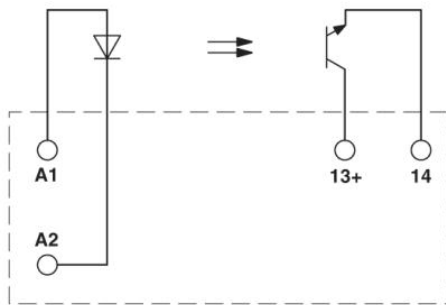
Dimensioned drawing

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Circuit diagram

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Pin assignments: View of the connections

**Address**

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