

OPT-60DC/ 24DC/ 5

Order No.: 2982126


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



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Pluggable miniature optocouplers, power optocouplers, input: 60 V DC, output: 3-33 V DC/5 A

Commercial data

GTIN (EAN)	 4 017918 989767
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



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Technical data

Input data

Nominal input voltage U_N	60 V DC
Input voltage range in reference to U_N	0.9 ... 1.1
Switching threshold "0" signal, voltage	≤ 20 V DC
Switching threshold "1" signal voltage	≥ 35 V DC

Typical input current at U_N	3 mA
Typical response time	25 μ s
Typical turn-off time	400 μ 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



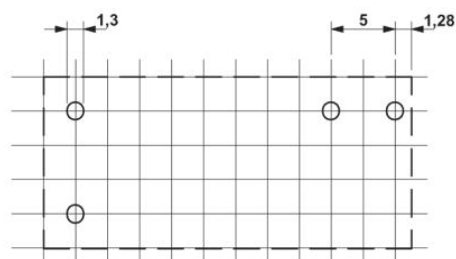
Certification CUL, UL

Additional products

Item	Designation	Description
General		
2967316	PLC-BSC- 60DC/21-21	14 mm PLC basic terminal blocks with screw connection method, input voltage 60 V DC(without relay or optocoupler)
2967808	PLC-BSC- 60DC/21HC	14 mm PLC-HC basic terminal blocks with screw connection method, input voltage 60 V DC(without relay or optocoupler)
2912468	PLC-BSP- 60DC/21-21	14 mm PLC basic terminal blocks with spring-cage connection method, input voltage 60 V DC(without relay or optocoupler)
2912374	PLC-BSP- 60DC/21HC	14 mm PLC basic terminal blocks with spring-cage connection method, input voltage 60 V DC(without relay or optocoupler)

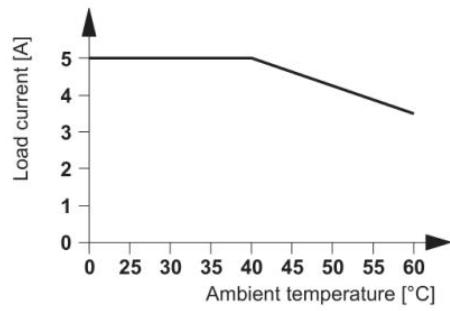
Diagrams/Drawings

Drilling plan/solder pad geometry

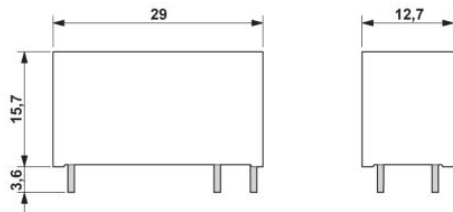


Basic pitch 2.5 mm

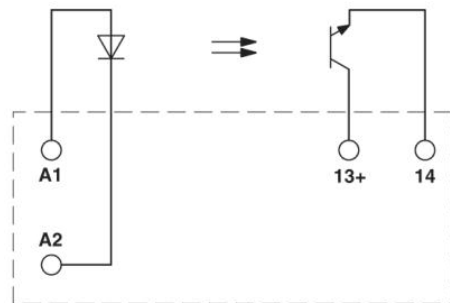
Diagram



Dimensioned drawing



Circuit diagram



Pin assignments: View of the connections

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>



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