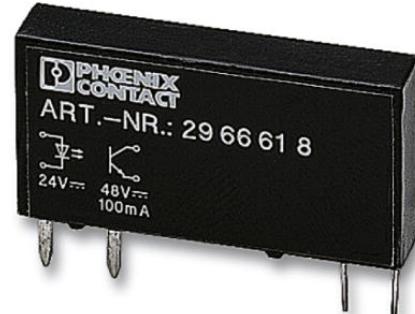


OPT-60DC/ 24DC/ 2

Order No.: 2966605

The illustration shows the version OPT-24DC/48DC/100



<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=2966605>

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

Commercial data

EAN	 4 017918 130923
Pack	10 Pcs.
Customs tariff	85364190
Product key	CK61F2
Catalog page information	Page 100 (IF-2011)

Product notes

WEEE/RoHS-compliant since:
05/09/2006



[http://
www.download.phoenixcontact.com](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	60 V DC
Input voltage range in reference to U_N	0.8 ... 1.2
Switching threshold "0" signal, voltage	≤ 20 V
Switching threshold "1" signal voltage	≥ 35 V

Typical input current at U_N	3 mA
Typical response time	40 μ s (at U_N)
Typical turn-off time	500 μ s (at U_N)
Transmission frequency	300 Hz

Output data

Output nominal voltage range	3 V DC ... 33 V DC
Limiting continuous current	3 A (see derating curve)
Maximum inrush current	15 A (10 ms)
Voltage drop at max. limiting continuous current	\leq 150 mV
Output circuit	2-wire, floating
Type of protection	Protection against polarity reversal
	Surge protection
Protective circuit/component	Polarity protection diode

General data

Width	5 mm
Height	28 mm
Depth	15 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
Name	Standards/regulations
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage / insulation	Basic insulation
Pollution degree	2
Surge voltage category	III

Certificates / Approvals



Certification CUL, GL, GOST, UL

Additional products

Item	Designation	Description
Basic terminal block with filter		
2900456	PLC-BPIT-120UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with Push-In connection and integrated RCZ filter against interference currents/voltages on the control side, input voltage 120 V AC/DC(without relay or optocoupler)
2900453	PLC-BPIT-120UC/21/SO46	6.2 mm PLC basic terminal blocks with Push-In connection and integrated RCZ filter against interference currents/voltages on the control side, input voltage 120 V AC/DC (without relay or optocoupler)
2900457	PLC-BPIT-230UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with Push-In connection and integrated RCZ filter against interference currents/voltages on the control side, input voltage 230 V AC/DC(without relay or optocoupler)
2900455	PLC-BPIT-230UC/21/SO46	6.2 mm PLC basic terminal blocks with Push-In connection and integrated RCZ filter against interference currents/voltages on the control side, input voltage 230 V AC/DC(without relay or optocoupler)
2980322	PLC-BSC-120UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with screw connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 120 V AC/ DC(without relay or optocoupler)
2980319	PLC-BSC-120UC/21/SO46	6.2 mm PLC basic terminal blocks with screw connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 120 V AC/DC(without relay or optocoupler)
2980348	PLC-BSC-230UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with screw connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 230 V AC/DC(without relay or optocoupler)
2980335	PLC-BSC-230UC/21/SO46	6.2 mm PLC basic terminal blocks with screw connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 230 V AC/DC(without relay or optocoupler)
2980364	PLC-BSP-120UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with spring-cage connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 120 V AC/ DC(without relay or optocoupler)
2980351	PLC-BSP-120UC/21/SO46	6.2 mm PLC basic terminal blocks with spring-cage connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 120 V AC/ DC(without relay or optocoupler)

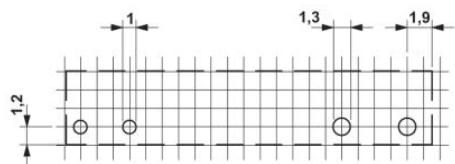
2980380	PLC-BSP-230UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with spring-cage connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 230 V AC/ DC(without relay or optocoupler)
2980377	PLC-BSP-230UC/21/SO46	6.2 mm PLC basic terminal blocks with spring-cage connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 230 V AC/ DC(without relay or optocoupler)

General

2900279	PLC-BPT- 60DC/21	6.2 mm PLC basic terminal blocks in Push-In connection method, input voltage of 60 V DC (without relay or optocoupler)
2900451	PLC-BPT-120UC/ 1/SEN	6.2 mm PLC sensor basic terminal blocks with Push-In connection method, input voltage of 120 V AC (without relay or optocoupler)
2900280	PLC-BPT-120UC/21	6.2 mm PLC basic terminal blocks with Push-In connection method, input voltage of 120 V AC (without relay or optocoupler)
2900452	PLC-BPT-230UC/ 1/SEN	6.2 mm PLC sensor basic terminal blocks with Push-In connection method, input voltage of 230 V AC (without relay or optocoupler)
2900281	PLC-BPT-230UC/21	6.2 mm PLC basic terminal blocks with Push-In connection method, input voltage of 230 V AC (without relay or optocoupler)
2966100	PLC-BSC- 60DC/21	6.2 mm PLC basic terminal blocks with screw connection method, input voltage 60 V DC(without relay or optocoupler)
2966074	PLC-BSC-120UC/ 1/SEN	6.2 mm PLC sensor basic terminal blocks with screw connection method, input voltage 120 V AC/DC(without relay or optocoupler)
2966032	PLC-BSC-120UC/21	6.2 mm PLC basic terminal blocks with screw connection method, input voltage 120 V AC/DC(without relay or optocoupler)
2966087	PLC-BSC-230UC/ 1/SEN	6.2 mm PLC sensor basic terminal blocks with screw connection method, input voltage 230 V AC/DC(without relay or optocoupler)
2966045	PLC-BSC-230UC/21	6.2 mm PLC basic terminal blocks with screw connection method, input voltage 230 V AC/DC(without relay or optocoupler)
2967332	PLC-BSP- 60DC/21	6.2 mm PLC basic terminal blocks with spring-cage connection method, input voltage 60 V DC(without relay or optocoupler)
2967154	PLC-BSP-120UC/ 1/SEN	6.2 mm PLC sensor basic terminal blocks with spring-cage connection method, input voltage 120 V AC/DC(without relay or optocoupler)
2967167	PLC-BSP-120UC/21	6.2 mm PLC basic terminal blocks with spring-cage connection method, input voltage 120 V AC/DC(without relay or optocoupler)
2967170	PLC-BSP-230UC/ 1/SEN	6.2 mm PLC sensor basic terminal blocks with spring-cage connection method, input voltage 230 V AC/DC(without relay or optocoupler)
2967183	PLC-BSP-230UC/21	6.2 mm PLC basic terminal blocks with spring-cage connection method, input voltage 230 V AC/DC(without relay or optocoupler)

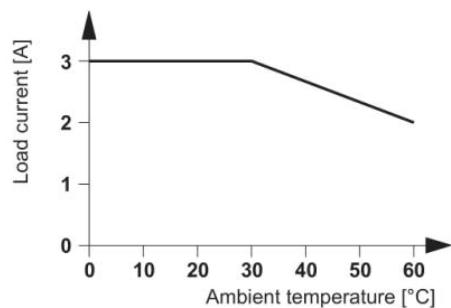
Drawings

Drilling plan/solder pad geometry

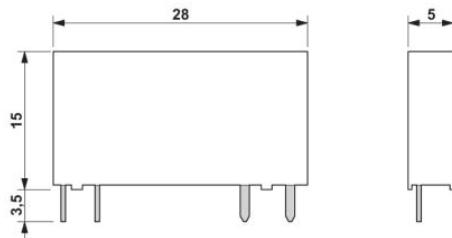


a = pitch division 1.25 mm and 1.27 mm

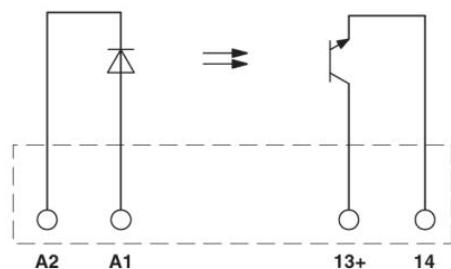
Diagram



Dimensioned drawing



Circuit diagram



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