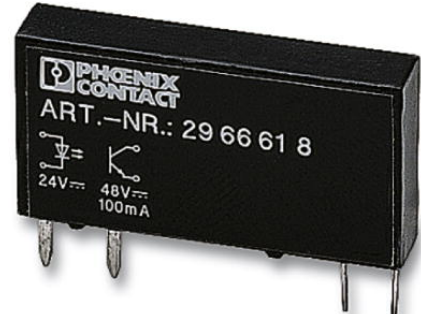


## OPT-60DC/ 24DC/ 2

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



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### Technical data

#### Input data

Nominal input voltage $U_N$	60 V DC
Input voltage range in reference to $U_N$	0.8 ... 1.2
Switching threshold "0" signal, voltage	$\leq 20$ V
Switching threshold "1" signal voltage	$\geq 35$ V

Typical input current at $U_N$	3 mA
Typical response time	40 $\mu$ s (at $U_N$ )
Typical turn-off time	500 $\mu$ 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
<b>Basic terminal block with filter</b>		
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)

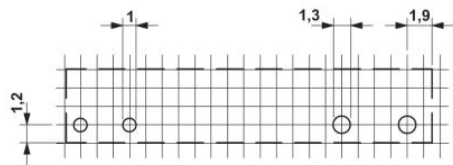
2980380	PLC-BSP-230UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with spring-cage connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 230 V AC/DC(without relay or optocoupler)
2980377	PLC-BSP-230UC/21/SO46	6.2 mm PLC basic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

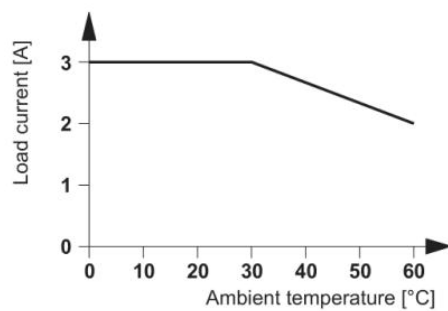
## Drawings

### Drilling plan/solder pad geometry

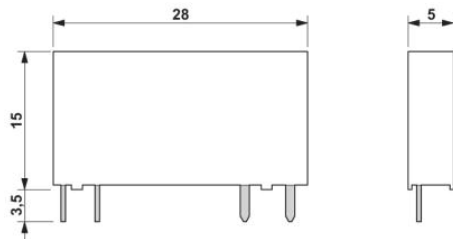


a = pitch division 1.25 mm and 1.27 mm

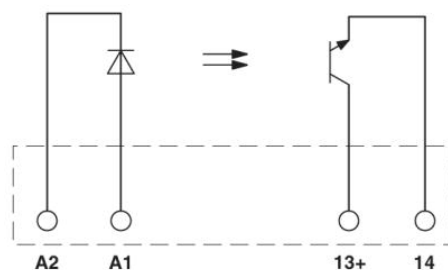
### Diagram



### Dimensioned drawing



### Circuit diagram



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