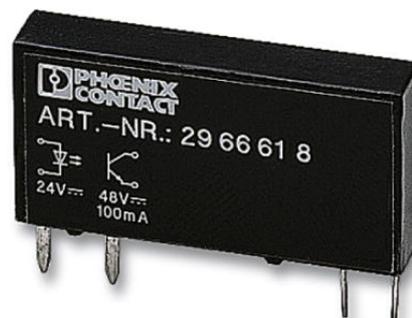


OPT-60DC/ 24DC/ 2

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>
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) |

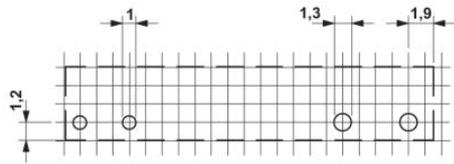
| | | |
|---------|---------------------------|--|
| 2980380 | PLC-BSP-230UC/ 1/SEN/SO46 | 6.2 mm PLC sensor basic terminal blocks with spring-cage connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 230 V AC/DC(without relay or optocoupler)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

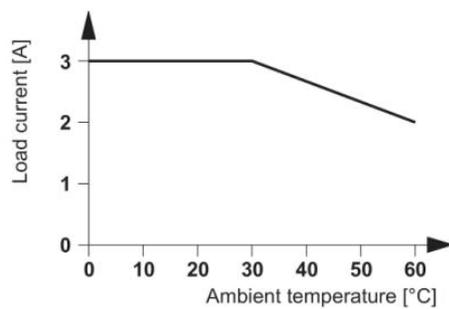
Drawings

Drilling plan/solder pad geometry

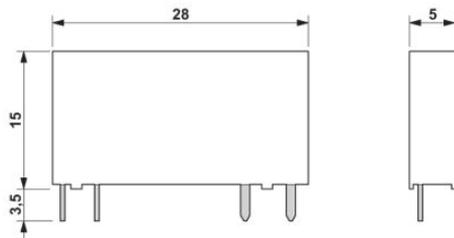


a = pitch division 1.25 mm and 1.27 mm

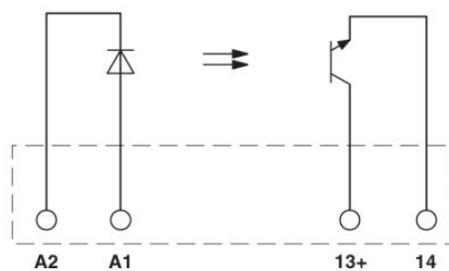
Diagram



Dimensioned drawing



Circuit diagram



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>



© 2009 Phoenix Contact
Technical modifications reserved;



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.