# PLC-BSC- 24DC/ 1/ACT - Relay base

2966058

https://www.phoenixcontact.com/au/products/2966058

6.2 mm PLC basic terminal block for output functions with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with load return line connection (BB), 1 N/O contact, input voltage 24 V DC

## Commercial data

| | |
|---|---|
| Item number | 2966058 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | DK6221 |
| Product key | DK6221 |
| GTIN | 4017918130817 |
| Weight per piece (including packing) | 34.5 g |
| Weight per piece (excluding packing) | 34.5 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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## Technical data

### Notes

| Utilization restriction | |
|---|---|
| EMC note | EMC: class A product, see manufacturer's declaration in the download area |

### Product properties

| Product type | Relay socket |
|---|---|
| Product family | PLC-INTERFACE |
| Application | Output function |
| Operating mode | 100% operating factor |

| Insulation characteristics | |
|---|---|
| Pollution degree | 3 |

### Electrical properties

| Protective circuit | Damping diode, polarity protection diode |
|---|---|

### Input data

| Nominal input voltage $U_N$ | 24 V DC |
|---|---|
| | The nominal voltage of the plug-on electromechanical relay or solid-state relay (see necessary accessories) deviates from the nominal input voltage of the base with integrated upstream circuit |
| Protective circuit | Freewheeling diode |
| Nominal input voltage $U_N$ | 24 V DC |
| | The nominal voltage of the plug-on electromechanical relay or solid-state relay (see necessary accessories) deviates from the nominal input voltage of the base with integrated upstream circuit |

### Connection data

| Connection method | Screw connection |
|---|---|
| Stripping length | 8 mm |
| Screw thread | M3 |
| Conductor cross section rigid | 0.14 mm² ... 2.5 mm² |
| Conductor cross section flexible | 0.14 mm² ... 2.5 mm² |
| | 0.2 mm² ... 2.5 mm² (Single ferrule) |
| | 2x 0.5 mm² ... 1.5 mm² (TWIN ferrule) |
| Conductor cross section AWG | 26 ... 14 |
| Tightening torque | 0.6 Nm ... 0.8 Nm |

### Signaling

| Status display | LED |
|---|---|

### Dimensions

| Width | 6.2 mm |
|---|---|
| Height | 80 mm |
| Depth | 94 mm |

## Material specifications

| Color | gray (RAL 7042) |
|---|---|
| Flammability rating according to UL 94 | V0 (Housing) |

## Environmental and real-life conditions

### Ambient conditions

| Ambient temperature (operation) | -40 °C ... 60 °C |
|---|---|
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |

## Approvals

### CE

| Certificate | CE-compliant |
|---|---|

### UKCA

| Certificate | UKCA-compliant |
|---|---|

### Shipbuilding approval

| Certificate | TAE0000196 |
|---|---|

### Corrosive gas test

| Identification | ISA-S71.04. G3 Harsh Group |
|---|---|
| | EN 60068-2-60 |

### Shipbuilding data

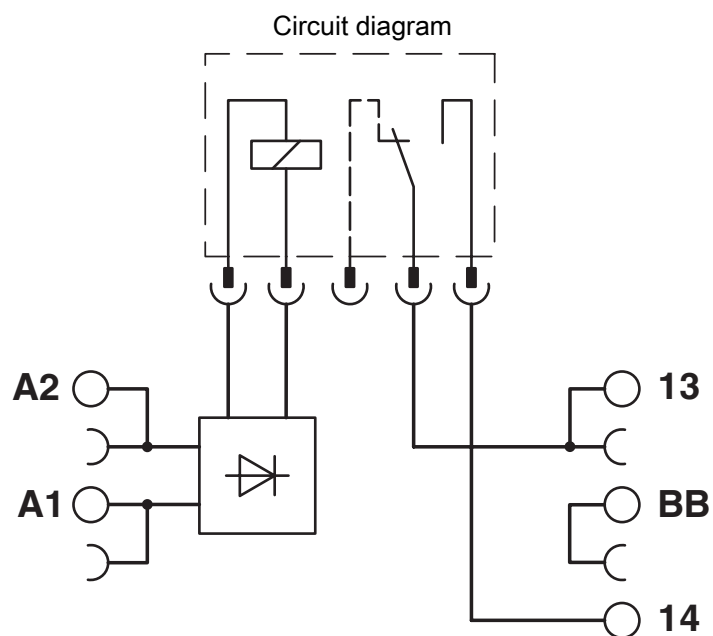| Temperature | D |
|---|---|
| Humidity | A |
| Vibration | B/C |
| EMC | B |
| Enclosure | Required protection according to the Rules shall be provided upon installation on board |

## EMC data

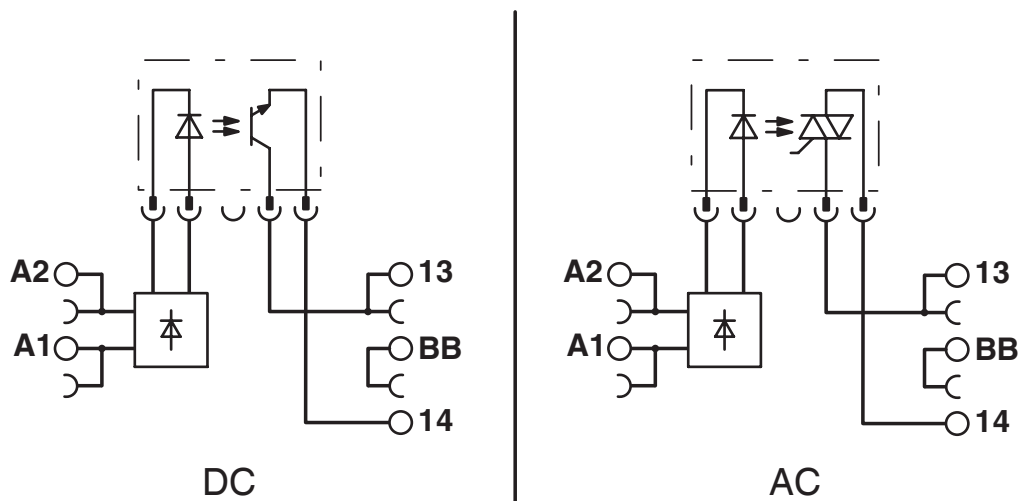| Electromagnetic compatibility | Conformance with EMC directive |
|---|---|
| Low Voltage Directive | Conformance with Low Voltage Directive |

## Mounting

| Mounting type | DIN rail mounting |
|---|---|
| Assembly note | in rows with zero spacing |
| Mounting position | any |

## Drawings

Circuit diagram

A2

A1

13

BB

14

Circuit diagram

A2

A1

13

BB

14

DC

A2

A1

13

BB

14

AC

## Approvals

💡 To download certificates, visit the product detail page: https://www.phoenixcontact.com/au/products/2966058

**cUL Recognized**
Approval ID: E238705

**UL Recognized**
Approval ID: E238705

**EAC**
Approval ID: RU D-DE.B*00573/18

**DNV GL**
Approval ID: TAE0000196

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## Classifications

### ECLASS

| ECLASS-13.0 | 27371603 |
|---|---|

### ETIM

| ETIM 9.0 | EC001456 |
|---|---|

### UNSPSC

| UNSPSC 21.0 | 39122300 |
|---|---|

## Environmental product compliance

### EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 7(a), 7(c)-I |

### China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | Hexahydromethylphthalic anhydride(CAS: n/a) |
| | Lead(CAS: 7439-92-1) |
| SCIP | 603f3166-d55b-4dd7-92e3-5b65103cddeb |

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