

PLC-BPT- 24DC/21RW - Relay base



2900261

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6.2 mm PLC basic terminal block for railway applications with Push-in connection, without relay or solid-state relay, range from $0.7 \times U_N$ to $1.25 \times U_N$, temperature range from -25°C to $+70^{\circ}\text{C}$, 1 changeover contact, input voltage 24 V DC

Your advantages

- Vibration and shock resistance in accordance with EN 50155
- Safe isolation between coil and contact side
- Input voltage range of 0.7 to 1.25 x UN
- Temperature range: -25°C ... $+70^{\circ}\text{C}$

Commercial data

Item number	2900261
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	*****
Product key	CK6231
Catalog page	Page 418 (C-5-2019)
GTIN	4046356512916
Weight per piece (including packing)	30.554 g
Weight per piece (excluding packing)	27.73 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
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Product properties

Product type	Relay socket
Product family	PLC-INTERFACE
Application	Railway applications
Operating mode	100% operating factor
Compatible components	Miniature relay, REL-MR-18DC/21AU, REL-MR-18DC/21

Electrical properties

Protective circuit	Damping diode, polarity protection diode
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Input data

Nominal input voltage U_N	24 V DC
Protective circuit	Freewheeling diode

Relay assembly

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.65 ... 1.25
Typical input current at U_N	12 mA
Typical response time	5 ms
Typical release time	8 ms
Operating voltage display	Yellow LED
Protective circuit	Reverse polarity protection; Polarity protection diode Freewheeling diode; Freewheeling diode

Output data

Compatible components	Miniature relay, REL-MR-18DC/21AU, REL-MR-18DC/21
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Connection data

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section rigid	0.14 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 2.5 mm ² 0.2 mm ² ... 2.5 mm ² (Single ferrule) 2x 0.5 mm ² ... 1 mm ² (TWIN ferrule)
Conductor cross section AWG	26 ... 14

Signaling

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Status display	LED
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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)	-25 °C ... 70 °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

DNV GL 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

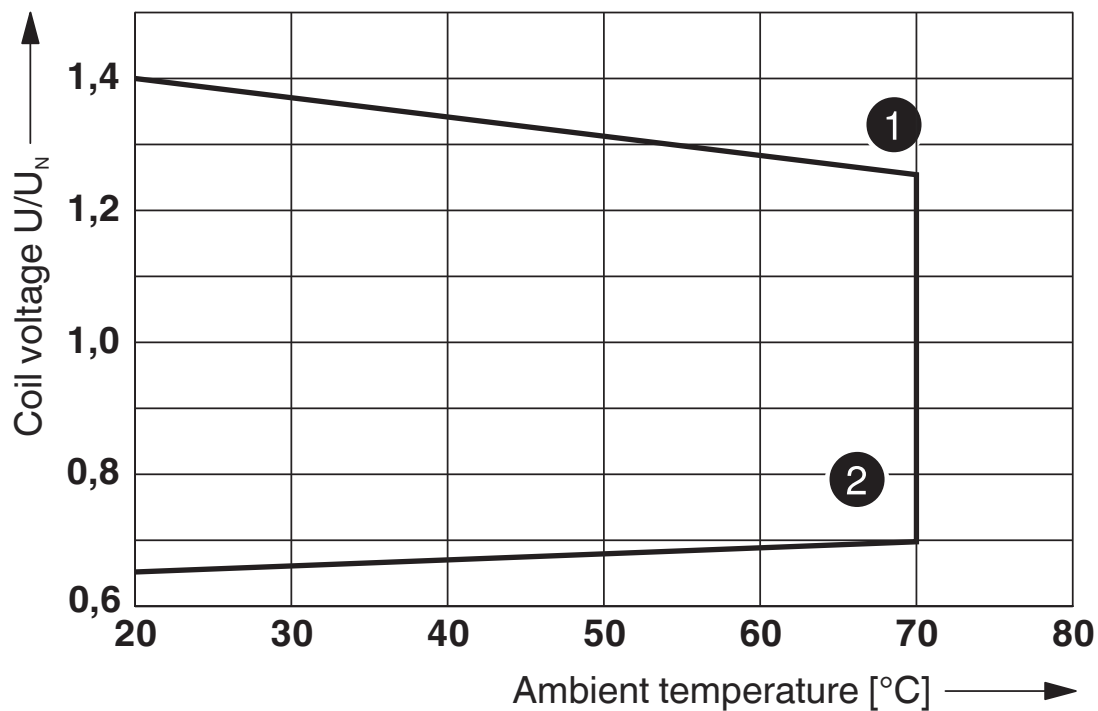
Low Voltage Directive	Conformance with Low Voltage Directive
Electromagnetic compatibility	Conformance with EMC directive

Mounting

Mounting type	DIN rail mounting
Assembly instructions	in rows with zero spacing
Mounting position	any

Drawings

Diagram

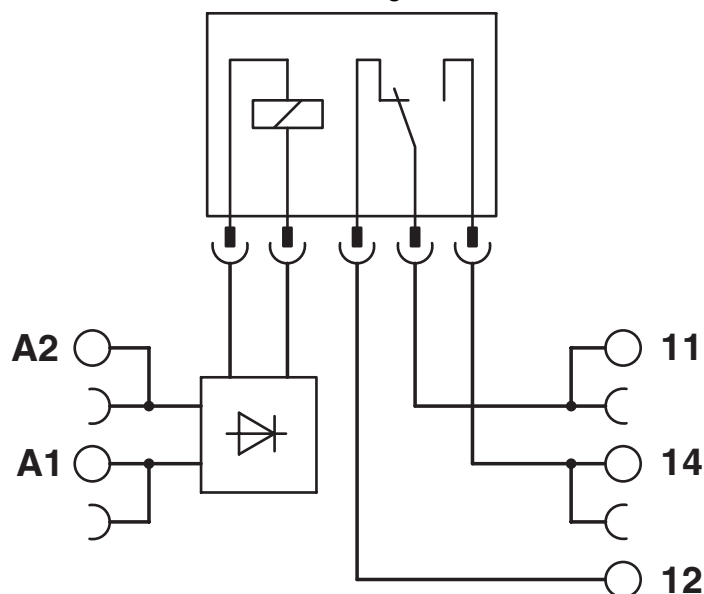


- ① Maximum continuous voltage at limiting continuous current = 3 A
- ② Minimum operate voltage

For pre-excitation with U_N and limiting continuous current = 3 A

Operating voltage range

Circuit diagram



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Approvals

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cUL Recognized
Approval ID: FILE E 238705



UL Recognized
Approval ID: FILE E 238705



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



DNV GL
Approval ID: TAE0000196

cULus Recognized

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Classifications

ECLASS

ECLASS-11.0	27371603
ECLASS-12.0	27371603
ECLASS-13.0	27371603

ETIM

ETIM 9.0	EC001456
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UNSPSC

UNSPSC 21.0	39122300
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Environmental product compliance

REACH SVHC	Lead 7439-92-1
	Hexahydromethylphthalic anhydride
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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