

https://www.phoenixcontact.com/sg/products/2961105



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Plug-in miniature power relay, with power contact, 1 changeover contact, input voltage 24 V DC



Your advantages

- Safe isolation according to DIN EN 50178 between coil and contact
- High degree of protection up to RT III depending on type (wash-proof)
- Power contacts up to 6 A



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Commercial Data

Order Key	2961105
Packing unit	10 pc
Minimum order quantity	10 pc
Note	Made to Order (non-returnable)
Sales Key	0608*
Product Key	CK6195
Catalog Page	Page 284 (C-5-2019)
GTIN	4017918130893
Weight per Piece (including packing)	6.73 g
Weight per Piece (excluding packing)	5 g
Customs tariff number	85364900
Country of origin	CZ



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Technical Data

Product properties

Operating mode	100% operating factor	
Mechanical service life	2x 10 ⁷ cycles	
Insulation characteristics		
Overvoltage category	III	

Electrical properties

Maximum power dissipation for nominal condition	0.17 W
Test voltage	4 kV AC (50 Hz, 1 min., winding/contact)

Input data

Coil side

30 5.43	
Nominal input voltage U _N	24 V DC
Input voltage range	14.4 V DC 66 V DC
Input voltage range in reference to U_N	see diagram
Typical input current at U _N	7 mA
Typical response time	5 ms
Typical release time	2.5 ms
Coil resistance	3390 Ω ±10 % (at 20 °C)

Output data

Switching

Switching		
Contact type	1 changeover contact	
Type of switch contact	Single contact	
Drive and function	monostable	
Contact material	AgSnO	
Maximum switching voltage	250 V AC/DC	
Minimum switching voltage	5 V (at 100 mA)	
Limiting continuous current	6 A	
Maximum inrush current	10 A (4 s)	
Min. switching current	10 mA (at 12 V)	
Interrupting rating (ohmic load) max.	140 W (at 24 V DC)	
	20 W (at 48 V DC)	
	18 W (at 60 V DC)	
	23 W (at 110 V DC)	
	40 W (at 220 V DC)	
	1500 VA (for 250 V AC)	
Switching capacity	2 A (at 24 V, DC13)	
	0.2 A (at 110 V, DC13)	



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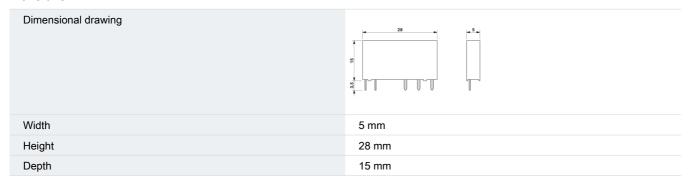


	0.1 A (at 220 V, DC13)
	3 A (at 24 V, AC15)
	3 A (at 120 V, AC15)
	3 A (at 230 V, AC15)
Motor load according to UL 508	1/4 HP, 240 - 277 V AC (N/O contact)
	1/6 HP, 240 - 277 V AC (N/C contact)

Connection data

Connection method	Solder connection
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Dimensions



Material specifications

Color	bita	
Color	wnite	

Environmental and real-life conditions

Ambient conditions

Degree of protection	RT III
Ambient temperature (operation)	-40 °C 85 °C
Ambient temperature (storage/transport)	-40 °C 85 °C

Standards and regulations

Standards/regulations	IEC 60664
	EN 50178
	EN 61810-1

Mounting

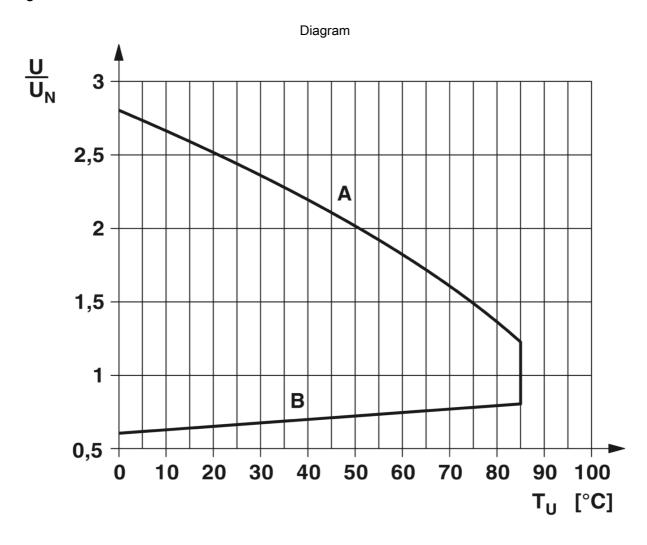
Assembly instructions	in rows with zero spacing
Mounting position	any

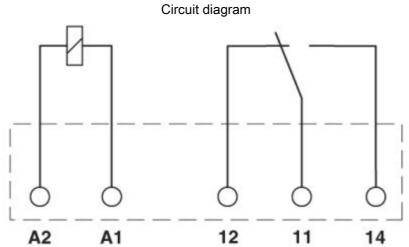
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Drawings

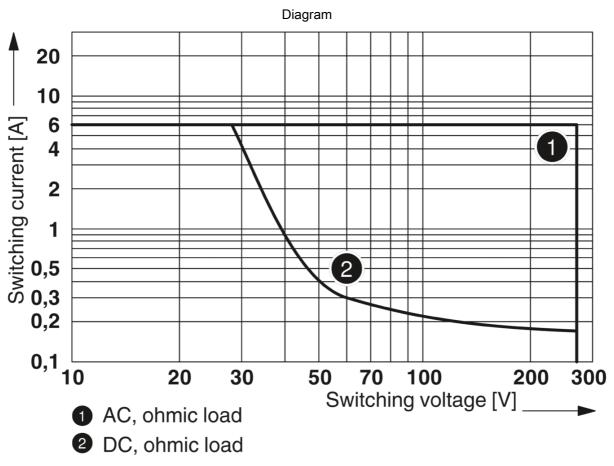




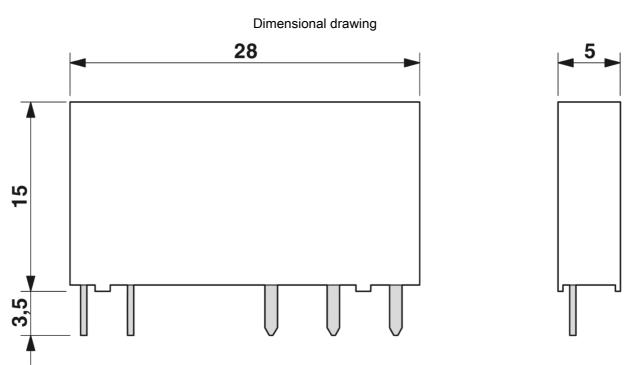


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Interrupting rating

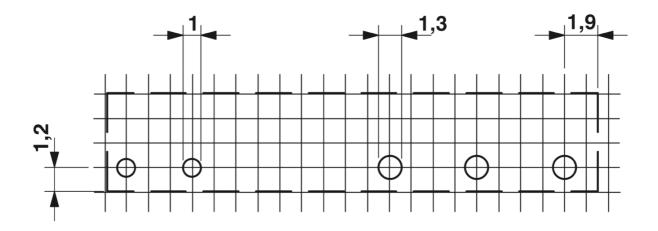


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Drilling plan/solder pad geometry



a = pitch division 1.25 mm and 1.27 mm



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Naminal Valtage II	Naminal Current I	Cross Section AMC	Cross Section mm ²
Nominal Voltage O _N	Nominal Current I _N	Closs Section AWG	Cross Section min
		-	-
Nominal Voltage U _N	Nominal Current I _N	Cross Section AWG	Cross Section mm ²
		-	-
	Nominal Voltage U _N		- Nominal Voltage U _N Nominal Current I _N Cross Section AWG



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Classifications

ECLASS

	ECLASS-9.0	27371601
	ECLASS-10.0.1	27371601
	ECLASS-11.0	27371601
ETIM		

ETIM 6.0	EC001437	
NSPSC		

UNSPSC

UNSPSC 19.0	39122334
UNSPSC 20.0	39122334
UNSPSC 21.0	39122334

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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values



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Accessories

Relay base

Relay base - PLC-BPT- 24DC/21 - 2900445



 $6.2~\rm mm$ PLC basic terminal block with Push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 24 V DC

Relay base

Relay base - PLC-BSC- 24DC/21 - 2966016



6.2 mm PLC basic terminal block with screw connection, without relay or solidstate relay, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 24 V DC



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Relay base

Relay base - PLC-BPT- 24UC/21 - 2900446



6.2 mm PLC basic terminal block with Push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 24 V AC/DC

Relay base

Relay base - PLC-BSC- 24UC/21 - 2966029



 $6.2~\rm mm$ PLC basic terminal block with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 24 V AC/DC



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Relay base

Relay base - PLC-BPT- 48DC/21 - 2900447



 $6.2~\rm mm$ PLC basic terminal block with Push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 48 V DC

Relay base

Relay base - PLC-BSC- 48DC/21 - 2966090



 $6.2~\rm mm$ PLC basic terminal block with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 48 V DC



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Relay base

Relay base - PLC-BPT- 24DC/ 1/SEN - 2900262



6.2 mm PLC basic terminal block for input functions with push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with sensor supply voltage distribution (BB), 1 N/O contact, input voltage 24 V DC

Relay base

Relay base - PLC-BSC- 24DC/ 1/SEN - 2966061



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



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Relay base

Relay base - PLC-BPT- 24UC/ 1/ACT - 2900450



6.2 mm PLC basic terminal block for output functions with push-in 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 AC/DC

Relay base

Relay base - PLC-BSC- 24UC/ 1/ACT - 2982799



 $6.2~\rm mm$ 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 AC/DC



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Relay base

Relay base - PLC-BSC- 24DC/21/SO46 - 2980458



6.2 mm PLC basic terminal block with protection against interference currents/voltages on the control side, with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with increased input current consumption, 1 changeover contact, input voltage 24 V DC

Relay base

Relay base - RIF-0-BPT/21 - 2900958



Relay base RIF-0..., for miniature power relay with 1 changeover contact or solid-state relays of the same design, Push-in connection, for mounting on NS 35/7,5



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Relay base

Relay base - RIF-0-BSC/21 - 2900957



RIF-0... relay base, for miniature power relay with 1 changeover contact or identical solid-state relays, screw connection, for mounting on NS 35/7,5

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