

PLC-BSP- 24UC/ 1/ACT - Relay base



2982809

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6.2 mm PLC basic terminal block for output functions with spring-cage 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

Your advantages

- PLC actuator series with solid-state power relays for coupling the controller and actuators, such as motors, contactors, valves, etc.

Commercial data

Item number	2982809
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C461
Product key	DK6221
GTIN	4046356409797
Weight per piece (including packing)	28.35 g
Weight per piece (excluding packing)	28.35 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Product properties

Product type	Relay socket
Product family	PLC-INTERFACE
Application	Output function
Operating mode	100% operating factor
Compatible components	Miniature relay, REL-MR-24DC/21, REL-MR-24DC/21AU; miniature optocoupler, OPT-24DC/24DC/2, OPT-24DC/48DC/100, OPT-24DC/230AC/1

Input data

Nominal input voltage U_N	24 V AC/DC
Protective circuit	Bridge rectifier
Nominal input voltage U_N	24 V AC/DC

Relay assembly

Rated control circuit supply voltage U_S	24 V AC/DC
Voltage range with reference to U_S	0.8 ... 1.2
Typical input current at U_N	15.6 mA (50 Hz)
	8.5 mA (60 Hz)
Typical response time	5 ms
Typical release time	30 ms
Operating voltage display	Yellow LED
Protective circuit	Bridge rectifier; Bridge rectifier

Optocoupler assembly

Rated control circuit supply voltage U_S	24 V AC/DC
Voltage range with reference to U_S	0.8 ... 1.2
Typical input current at U_N	15 mA (50 Hz)
	8.3 mA (60 Hz)
Typical response time	10 ms
Typical release time	20 ms
Operating voltage display	Yellow LED
Protective circuit	Bridge rectifier; Bridge rectifier

Output data

Compatible components	Miniature relay, REL-MR-24DC/21, REL-MR-24DC/21AU; miniature optocoupler, OPT-24DC/24DC/2, OPT-24DC/48DC/100, OPT-24DC/230AC/1
Maximum switching voltage	33 V DC
Minimum switching voltage	3 V DC
Limiting continuous current	3 A (see derating curve)
Voltage drop at max. limiting continuous current	≤ 150 mV
Output circuit	2-conductor, floating

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Protective circuit	Reverse polarity protection Parallel polarity protection diode
	Surge protection
Maximum switching voltage	48 V DC
Minimum switching voltage	3 V DC
Limiting continuous current	100 mA
Voltage drop at max. limiting continuous current	≤ 1 V
Output circuit	2-conductor, floating
Protective circuit	Reverse polarity protection Parallel polarity protection diode
	Surge protection
Maximum switching voltage	253 V AC
Minimum switching voltage	24 V AC
Limiting continuous current	0.75 A (see derating curve)
Voltage drop at max. limiting continuous current	≤ 1 V
Output circuit	2-conductor floating, zero voltage switch
Protective circuit	RCV circuit
Leakage current	≤ 1 mA
Max. load value	4.5 A ² s (tp = 10 ms, at 25 °C)

Connection data

Input side

Connection method	Spring-cage connection
Stripping length	8 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
Conductor cross-section AWG	26 ... 14

Output side

Connection method	Spring-cage connection
Stripping length	8 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
Conductor cross-section AWG	26 ... 14

Dimensions

Width	6.2 mm
Height	80 mm
Depth	94 mm

Material specifications

Color	green (RAL 6021)
Flammability rating according to UL 94 (Housing)	V0 (Housing)

Environmental and real-life conditions

Ambient conditions

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Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Mounting

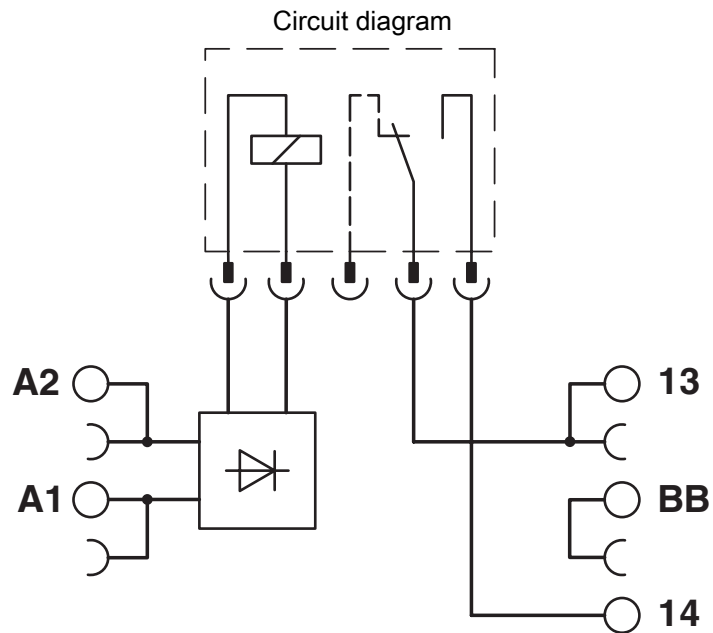
Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	any

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Drawings



Circuit diagram



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Environmental product compliance

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.)	No substance above 0.1 wt%
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