

Single relay - REL-MR- 24DC/21 - 2961105

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Pluggable miniature relays, with power contact, 1 PDT, input voltage 24 V DC

Product Features

- ✓ Safe isolation according to DIN EN 50178 between coil and contact
- ✓ High degree of protection, up to RT III (comparable with IP67) depending on type
- ✓ Power contacts up to 16 A



Key commercial data

Packing unit	1 PCE
Minimum order quantity	10 PCE
Catalog page	Page 98 (IF-2011)
GTIN	 4 017918 130893
Custom tariff number	85364190
Country of origin	CZECH REPUBLIC

Technical data

Coil side

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	(refer to the diagram)
Nominal input current at U_{IN}	7 mA
Typical response time	5 ms
Typical release time	2.5 ms
Coil resistance	$3390 \Omega \pm 10\%$ (at 20 °C)

Contact side

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Technical data

Contact side

Contact type	Single contact, 1-PDT
Contact material	AgSnO
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (at 100 mA)
Maximum inrush current	(on request)
Min. switching current	10 mA (at 12 V)
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	140 W (at 24 V DC)
Interrupting rating (ohmic load) max.	20 W (for 48 V DC)
Interrupting rating (ohmic load) max.	18 W (for 60 V DC)
Interrupting rating (ohmic load) max.	23 W (for 110 V DC)
Interrupting rating (ohmic load) max.	40 W (for 220 V DC)
Interrupting rating (ohmic load) max.	1500 VA (for 250 V AC)

General data

Width	5 mm
Height	28 mm
Depth	15 mm
Test voltage relay winding/relay contact	4 kV AC (50 Hz, 1 min.)
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Operating mode	100% operating factor
Mechanical service life	2 x 10 ⁷ cycles
Standards/regulations	IEC 60664
Standards/regulations	EN 50178
Standards/regulations	IEC 62103
Pollution degree	3
Surge voltage category	III
Mounting position	Any
Assembly instructions	In rows with zero spacing

Connection data

Connection method	Plug / solder connection
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Classifications

ETIM

ETIM 2.0	EC000196
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Classifications

ETIM

ETIM 3.0	EC000196
ETIM 4.0	EC000196
ETIM 5.0	EC000196

UNSPSC

UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39121515
UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515

eCl@ss

eCl@ss 4.0	27371104
eCl@ss 4.1	27371104
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001

Approvals

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UL Recognized / VDE Gutachten mit Fertigungsüberwachung / VDE Zeichengenehmigung / cUL Recognized / GOST / GL / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approvals submitted

Approval details


UL Recognized 


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Approvals

VDE Gutachten mit Fertigungsüberwachung 


VDE Zeichengenehmigung 


cUL Recognized 

GOST 

GL

UL Recognized 

cUL Recognized 

cULus Recognized 

Accessories

Additional products

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



6.2 mm PLC basic terminal blocks with Push-in connection, 24 V DC input voltage (without relay or optocoupler)

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Accessories

Relay socket - PLC-BSP- 24DC/21 - 2967219



6.2 mm PLC basic terminal blocks with spring-cage connection, 24 V DC input voltage (without relay or optocoupler)

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



6.2 mm PLC basic terminal blocks with screw connection, 24 V DC input voltage (without relay or optocoupler)

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



6.2 mm PLC basic terminal blocks with Push-in connection, 24 V AC/DC input voltage (without relay or optocoupler)

Relay socket - PLC-BSP- 24UC/21 - 2967222



6.2 mm PLC basic terminal blocks with spring-cage connection, 24 V AC/DC input voltage (without relay or optocoupler)

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



6.2 mm PLC basic terminal blocks with screw connection, 24 V AC/DC input voltage (without relay or optocoupler)

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Accessories

Basic terminal block - PLC-BSC- 36DC/21 - 2966964

Basic terminal block

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



6.2 mm PLC basic terminal blocks with Push-in connection, 48 V DC input voltage (without relay or optocoupler)

Relay socket - PLC-BSP- 48DC/21 - 2967329



6.2 mm PLC basic terminal blocks with spring-cage connection, 48 V DC input voltage (without relay or optocoupler)

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



6.2 mm PLC basic terminal blocks with screw connection, 48 V DC input voltage (without relay or optocoupler)

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



6.2 mm PLC sensor basic terminal block with sensor supply voltage distribution (BB), Push-in connection, 24 V DC input voltage, without relay or solid-state relay. Note: if fitted with a PDT relay, only the N/O contact is led out.

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Accessories

Relay socket - PLC-BSP- 24DC/ 1/SEN - 2967206



6.2 mm PLC sensor basic terminal block with sensor supply voltage distribution (BB), spring-cage connection, 24 V DC input voltage, without relay or solid-state relay. Note: if fitted with a PDT relay, only the N/O contact is led out.

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



6.2 mm PLC sensor basic terminal block with sensor supply voltage distribution (BB), screw connection, 24 V DC input voltage, without relay or solid-state relay. Note: if fitted with a PDT relay, only the N/O contact is led out.

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



6.2 mm PLC actuator basic terminal block with load return line connection (BB), Push-in connection, 24 V AC/DC input voltage, without relay or solid-state relay. Note: if fitted with a PDT relay, only the N/O contact is led out.

Relay socket - PLC-BSP- 24UC/ 1/ACT - 2982809



6.2 mm PLC actuator basic terminal block with load return line connection (BB), spring-cage connection, 24 V AC/DC input voltage, without relay or solid-state relay. Note: if fitted with a PDT relay, only the N/O contact is led out.

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



6.2 mm PLC actuator basic terminal block with load return line connection (BB), screw connection, 24 V AC/DC input voltage, without relay or solid-state relay. Note: if fitted with a PDT relay, only the N/O contact is led out.

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Accessories

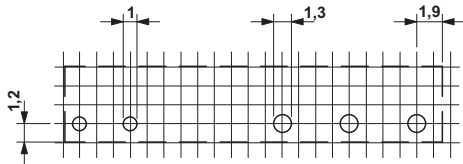
Relay socket - PLC-BSC- 24DC/21/SO46 - 2980458



6.2 mm PLC basic terminal blocks with screw connection and integrated filter against interference currents and voltages on the control side, 24 V DC input voltage (without relay or optocoupler)

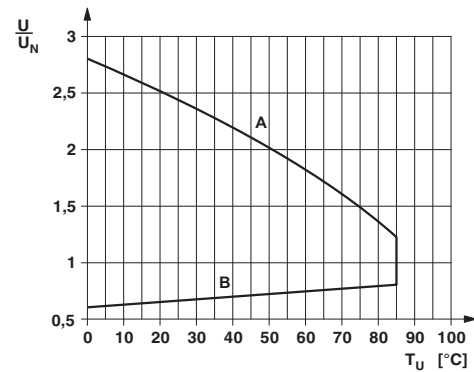
Drawings

Drilling diagram

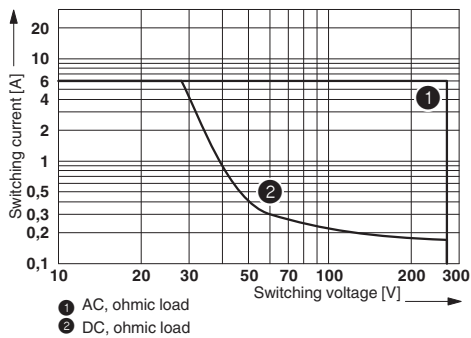


a = pitch division 1.25 mm and 1.27 mm

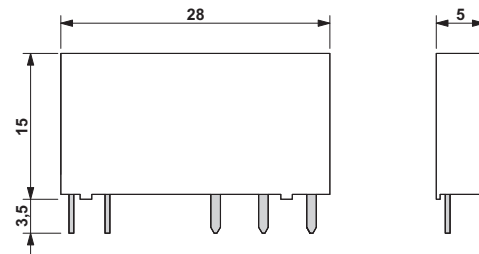
Diagram



Diagram



Dimensioned drawing



Interrupting rating

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Circuit diagram

