

Single relay - REL-MR- 60DC/21 - 2961118

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Pluggable miniature relays, with power contact, 1 PDT, input voltage 60 V DC


The illustration shows the version REL-MR- 24DC/21

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 130886
Custom tariff number	85364190
Country of origin	CZECH REPUBLIC

Technical data

Coil side

Nominal input voltage U_N	60 V DC
Nominal input current at U_{IN}	3 mA
Typical response time	5 ms
Typical release time	2.5 ms
Coil resistance	20500 Ω +/-15% (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- 60DC/21 - 2900279



6.2 mm PLC basic terminal blocks with Push-in connection, 60 V DC input voltage (without relay or optocoupler)

Single relay - REL-MR- 60DC/21 - 2961118

Accessories

Relay socket - PLC-BSP- 60DC/21 - 2967332



6.2 mm PLC basic terminal blocks with spring-cage connection, 60 V DC input voltage (without relay or optocoupler)

Relay socket - PLC-BSC- 60DC/21 - 2966100



6.2 mm PLC basic terminal blocks with screw connection, 60 V DC input voltage (without relay or optocoupler)

Relay socket - PLC-BPT-120UC/21 - 2900280



6.2 mm PLC basic terminal blocks with Push-in connection, 120 V AC input voltage (without relay or optocoupler)

Relay socket - PLC-BSP-120UC/21 - 2967167



6.2 mm PLC basic terminal blocks with spring-cage connection, 120 V AC/DC input voltage (without relay or optocoupler)

Relay socket - PLC-BSC-120UC/21 - 2966032



6.2 mm PLC basic terminal blocks with screw connection, 120 V AC/DC input voltage (without relay or optocoupler)

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Accessories

Relay socket - PLC-BSC-125DC/21 - 2980018



6.2 mm PLC basic terminal blocks with screw connection, 125 V DC input voltage (without relay or optocoupler)

Relay socket - PLC-BPT-230UC/21 - 2900281



6.2 mm PLC basic terminal blocks with Push-in connection, 230 V AC input voltage (without relay or optocoupler)

Relay socket - PLC-BSP-230UC/21 - 2967183



6.2 mm PLC basic terminal blocks with spring-cage connection, 230 V AC/DC input voltage (without relay or optocoupler)

Relay socket - PLC-BSC-230UC/21 - 2966045



6.2 mm PLC basic terminal blocks with screw connection, 230 V AC/DC input voltage (without relay or optocoupler)

Relay socket - PLC-BPT-120UC/ 1/SEN - 2900451



6.2 mm PLC sensor basic terminal block with sensor supply voltage distribution (BB), Push-in connection, 120 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-BSP-120UC/ 1/SEN - 2967154



6.2 mm PLC sensor basic terminal block with sensor supply voltage distribution (BB), spring-cage connection, 120 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-120UC/ 1/SEN - 2966074



6.2 mm PLC sensor basic terminal block with sensor supply voltage distribution (BB), screw connection, 120 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-BPT-230UC/ 1/SEN - 2900452



6.2 mm PLC sensor basic terminal block with sensor supply voltage distribution (BB), Push-in connection, 230 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-230UC/ 1/SEN - 2967170



6.2 mm PLC sensor basic terminal block with sensor supply voltage distribution (BB), spring-cage connection, 230 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-230UC/ 1/SEN - 2966087



6.2 mm PLC sensor basic terminal block with sensor supply voltage distribution (BB), screw connection, 230 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.

Single relay - REL-MR- 60DC/21 - 2961118

Accessories

Relay socket - PLC-BPT-120UC/21/SO46 - 2900453



6.2 mm PLC basic terminal blocks with push-in connection and integrated RCZ filter against interference currents/voltages on the control side, input voltage 120 V AC (without relay or optocoupler)

Relay socket - PLC-BSP-120UC/21/SO46 - 2980351



6.2 mm PLC basic terminal blocks with spring-cage connection and integrated RCZ filter against interference currents and voltages on the control side, 120 V AC input voltage (without relay or optocoupler)

Relay socket - PLC-BSC-120UC/21/SO46 - 2980319



6.2 mm PLC basic terminal blocks with screw connection and integrated RCZ filter against interference currents and voltages on the control side, 120 V AC input voltage (without relay or optocoupler)

Relay socket - PLC-BPT-230UC/21/SO46 - 2900455



6.2 mm PLC basic terminal blocks with push-in connection and integrated RCZ filter against interference currents/voltages on the control side, input voltage 230 V AC (without relay or optocoupler)

Relay socket - PLC-BSP-230UC/21/SO46 - 2980377



6.2 mm PLC basic terminal blocks with spring-cage connection and integrated RCZ filter against interference currents and voltages on the control side, 230 V AC input voltage (without relay or optocoupler)

Single relay - REL-MR- 60DC/21 - 2961118

Accessories

Relay socket - PLC-BSC-230UC/21/SO46 - 2980335



6.2 mm PLC basic terminal blocks with screw connection and integrated RCZ filter against interference currents and voltages on the control side, 230 V AC input voltage (without relay or optocoupler)

Relay socket - PLC-BPT-120UC/ 1/SEN/SO46 - 2900456



6.2 mm PLC sensor basic terminal block with RCZ filter against interference currents and voltages on the control side, with sensor supply voltage distribution (BB), push-in connection, 120 V AC input voltage (without relay or solid-state relay)

Relay socket - PLC-BSP-120UC/ 1/SEN/SO46 - 2980364



6.2 mm PLC sensor basic terminal block with RCZ filter against interference currents and voltages on the control side, with sensor supply voltage distribution (BB), spring-cage connection, 120 V AC input voltage (without relay or solid-state relay)

Relay socket - PLC-BSC-120UC/ 1/SEN/SO46 - 2980322



6.2 mm PLC sensor basic terminal block with RCZ filter against interference currents and voltages on the control side, with sensor supply voltage distribution (BB), screw connection, 120 V AC input voltage (without relay or solid-state relay)

Relay socket - PLC-BPT-230UC/ 1/SEN/SO46 - 2900457



6.2 mm PLC sensor basic terminal block with RCZ filter against interference currents and voltages on the control side, with sensor supply voltage distribution (BB), push-in connection, 230 V AC input voltage (without relay or solid-state relay)

Single relay - REL-MR- 60DC/21 - 2961118

Accessories

Relay socket - PLC-BSP-230UC/ 1/SEN/SO46 - 2980380



6.2 mm PLC sensor basic terminal block with RCZ filter against interference currents and voltages on the control side, with sensor supply voltage distribution (BB), spring-cage connection, 230 V AC input voltage (without relay or solid-state relay)

Relay socket - PLC-BSC-230UC/ 1/SEN/SO46 - 2980348

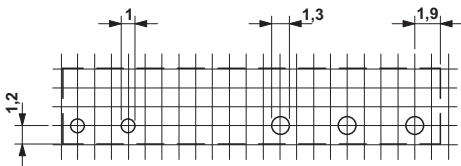


6.2 mm PLC sensor basic terminal block with RCZ filter against interference currents and voltages on the control side, with sensor supply voltage distribution (BB), screw connection, 230 V AC input voltage (without relay or solid-state relay)

Basic terminal block - PLC-BSC-230UC/ 2/SEN - 2966456

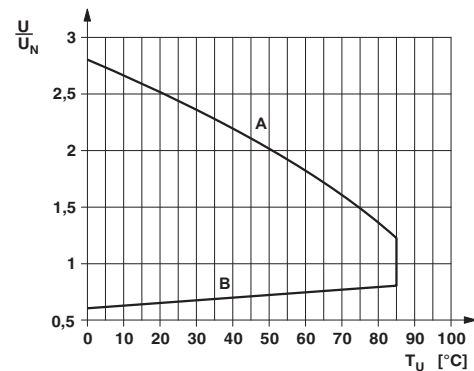
Drawings

Drilling diagram



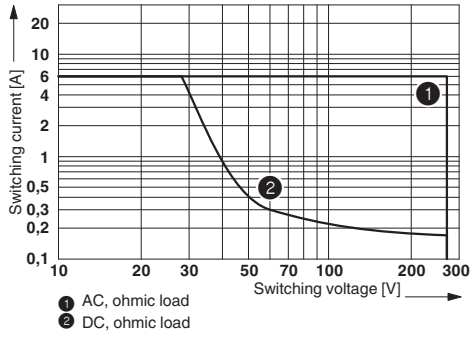
a = pitch division 1.25 mm and 1.27 mm

Diagram

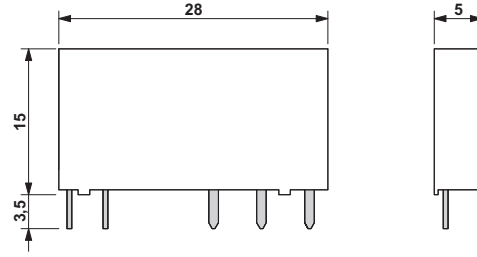


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Diagram



Dimensioned drawing



Interrupting rating

Circuit diagram

