

## Relay socket - PR1-BSC2/2X21 - 2833518

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Relay socket PR1..., for miniature power relay or miniature switching relay with 1 or 2 PDT or solid-state relay of same construction, 2/2 level design, screw connections, connection facility for input/interference suppression modules

### Why buy this product

- Relay base family that can be fitted with 1 PDT or 2 PDT relays or solid-state relays
- Relay retaining bracket with labeling field and ejection function
- Plug-in input/interference suppression modules



### Key Commercial Data

Packing unit	10 STK
Minimum order quantity	10 STK
GTIN	 4 017918 933760
GTIN	4017918933760
Weight per Piece (excluding packing)	40.700 g
Custom tariff number	85366990
Country of origin	China

### Technical data

#### Dimensions

Width	16 mm
Height	75 mm
Depth with retaining bracket	63 mm (EL1-P16)
	71 mm (EL1-P25)

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C

#### Connection data, input side

# Relay socket - PR1-BSC2/2X21 - 2833518

## Technical data

### Connection data, input side

Connection name	Input side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (2 conductors with the same cross-section)
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (2 conductors with the same cross-section)
Conductor cross section AWG	26 ... 14
	26 ... 14 (2 conductors with the same cross-section)

### Connection data, output side

Connection name	Output side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (2 conductors with the same cross-section)
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (2 conductors with the same cross-section)
Conductor cross section AWG	26 ... 14
	26 ... 14 (2 conductors with the same cross-section)

### General

Nominal voltage U <sub>N</sub>	300 V AC/DC
Nominal current I <sub>N</sub>	12 A
Color	green

### Standards and Regulations

Connection in acc. with standard	CSA
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### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Classifications

#### eCl@ss

eCl@ss 5.0	27371603
eCl@ss 5.1	27371603
eCl@ss 6.0	27371603
eCl@ss 7.0	27371603

# Relay socket - PR1-BSC2/2X21 - 2833518

## Classifications

### eCl@ss

eCl@ss 8.0	27371603
eCl@ss 9.0	27371603

### ETIM

ETIM 2.0	EC001456
ETIM 3.0	EC001456
ETIM 4.0	EC001456
ETIM 5.0	EC001456
ETIM 6.0	EC001456

### UNSPSC

UNSPSC 6.01	30211917
UNSPSC 7.0901	39121516
UNSPSC 11	39121516
UNSPSC 12.01	39121516
UNSPSC 13.2	39122326

## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / CSA / EAC / cULus Recognized

#### Ex Approvals

### Approval details

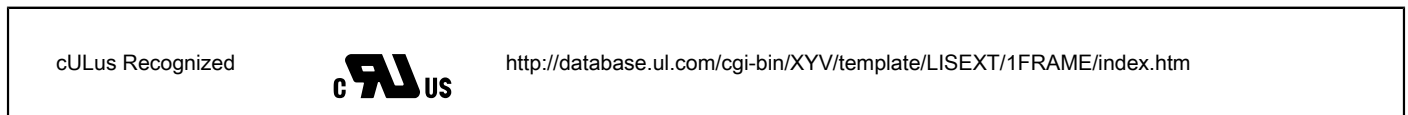
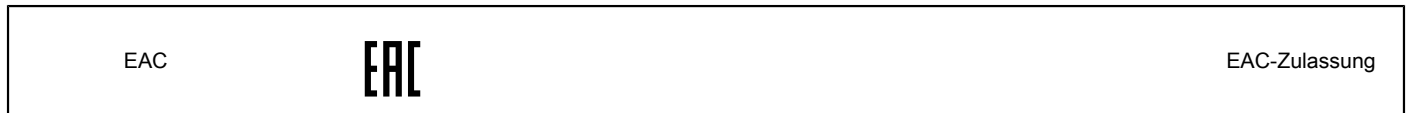
UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 113228
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cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 113228
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CSA		<a href="http://www.csagroup.org/services/testing-and-certification/certified-product-listing/">http://www.csagroup.org/services/testing-and-certification/certified-product-listing/</a>	255476
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## Relay socket - PR1-BSC2/2X21 - 2833518

### Approvals



### Accessories

#### Accessories

#### Bridge

Wire bridge - DB 50- 90 BU - 2821180

Wire bridge, Color: blue



Wire bridge - DB 50- 90 BK - 2820916

Wire bridge, Color: black



Wire bridge - DB 50- 90 GY - 2820929

Wire bridge, Color: gray



#### Device marking

Label - EML (15X6)R YE - 0819288



Label, Roll, yellow, unlabeled, can be labeled with: THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK X1.2, THERMOMARK S1.1, Mounting type: Adhesive, Lettering field: 15 x 6 mm

## Relay socket - PR1-BSC2/2X21 - 2833518

### Accessories

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#### Marking material

Marker labels - MP 1 - 2833631



Equipment marker, labeling surface 6 x 15 mm

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#### Plug-in module

Plug-in module - LDP- 12- 24DC - 2833657



Plug-in module, for mounting on PR1 and PR2, with damping diode and yellow LED, polarity: A1+, A2-, input voltage: 12 -24 V DC  $\pm$  20%

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Plug-in module - LDP- 48- 60DC - 2833660



Plug-in module, for mounting on PR1 and PR2, with damping diode and yellow LED, polarity: A1+, A2-, input voltage: 48 -60 V DC  $\pm$  20%

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Plug-in module - LDP-110DC - 2833673



Plug-in module, for mounting on PR1 and PR2, with damping diode and yellow LED, polarity: A1+, A2-, input voltage: 110 V DC  $\pm$  20%

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Plug-in module - LDM- 12- 24DC - 2833686



Plug-in module, for mounting on PR1 and PR2, with damping diode and yellow LED, polarity: A1-, A2+ (Japan standard), input voltage: 12 -24 V DC  $\pm$  20%

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## Relay socket - PR1-BSC2/2X21 - 2833518

### Accessories

Plug-in module - LDM- 48- 60DC - 2833699



Plug-in module, for mounting on PR1 and PR2, with damping diode and yellow LED, polarity: A1-, A2+ (Japan standard), input voltage: 48 -60 V DC  $\pm$  20%

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Plug-in module - LDM-110DC - 2833709



Plug-in module, for mounting on PR1 and PR2, with damping diode and yellow LED, polarity: A1-, A2+ (Japan standard), input voltage: 110 V DC  $\pm$  20%

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Plug-in module - LV- 12- 24UC - 2833712



Plug-in module, for mounting on PR1 and PR2, with varistor and yellow LED, input voltage: 12 - 24 V AC/DC  $\pm$  20%

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Plug-in module - LV- 48- 60UC - 2833725



Plug-in module, for mounting on PR1 and PR2, with varistor and yellow LED, input voltage: 48-60 V AC/DC  $\pm$  20%

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Plug-in module - LV-120-230AC/110DC - 2833738



Plug-in module, for mounting on PR1 and PR2, with varistor and yellow LED, input voltage: 120 - 230 V AC/110 V DC  $\pm$  20%

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## Relay socket - PR1-BSC2/2X21 - 2833518

### Accessories

Plug-in module - V- 12- 24UC - 2833864



Plug-in module, for mounting on PR1 and PR2, with varistor, input voltage: 12-24 V AC/DC  $\pm$  20%

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Plug-in module - V- 48- 60UC - 2833877



Plug-in module, for mounting on PR1 and PR2, with varistor, input voltage: 48-60 V AC/DC  $\pm$  20%

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Plug-in module - V-120-230UC - 2833880



Plug-in module, for mounting on PR1 and PR2, with varistor, input voltage: 120-230 V AC/DC  $\pm$  20%

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Plug-in module - RC- 12- 24UC - 2833741



Plug-in module, for mounting on PR1 and PR2, with RC element, input voltage: 12 - 24 V AC/DC  $\pm$  20%

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Plug-in module - RC- 48- 60UC - 2833754



Plug-in module, for mounting on PR1 and PR2, with RC element, input voltage: 48-60 V AC/DC  $\pm$  20%

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## Relay socket - PR1-BSC2/2X21 - 2833518

### Accessories

Plug-in module - RC-120-230UC - 2833767



Plug-in module, for mounting on PR1 and PR2, with RC element, input voltage: 120 - 230 V AC/DC  $\pm$  20%

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### Retaining bracket

Retaining bracket - EL1-P16 - 2833547



Relay retaining bracket, with eject function and integrated equipment marking area (7.5 x 15 mm), to suit relay socket PR1, for 16 mm high miniature power relay and solid-state relay

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Retaining bracket - EL1-P25 - 2833550



Relay retaining bracket, with eject function and integrated equipment marking area (7.5 x 15 mm), to suit relay socket PR1, for 25 mm high miniature switching relay and solid-state relay

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### Necessary add-on products

Single relay - REL-MR- 12DC/21HC - 2961309



Plug-in miniature power relay, with power contact for high continuous currents, 1 PDT, input voltage 12 V DC

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Single relay - REL-MR- 24DC/21HC - 2961312



Plug-in miniature power relay, with power contact for high continuous currents, 1 PDT, input voltage 24 V DC

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## Relay socket - PR1-BSC2/2X21 - 2833518

### Accessories

Single relay - REL-MR- 48DC/21HC - 2834821



Plug-in miniature power relay, with power contact for high continuous currents, 1 PDT, input voltage 48 V DC

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Single relay - REL-MR- 60DC/21HC - 2961325



Plug-in miniature power relay, with power contact for high continuous currents, 1 PDT, 60 V DC

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Single relay - REL-MR-110DC/21HC - 2961338



Plug-in miniature power relay, with power contact for high continuous currents, 1 PDT, input voltage 110 V DC

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Single relay - REL-MR- 24AC/21HC - 2961406



Plug-in miniature power relay, with power contact for high continuous currents, 1 PDT, input voltage 24 V AC

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Single relay - REL-MR-120AC/21HC - 2961419



Plug-in miniature power relay, with power contact for high continuous currents, 1 PDT, input voltage 120 V AC

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## Relay socket - PR1-BSC2/2X21 - 2833518

### Accessories

Single relay - REL-MR-230AC/21HC - 2961422



Plug-in miniature power relay, with power contact for high continuous currents, 1 PDT, input voltage 230 V AC

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Single relay - REL-MR- 12DC/21HC AU - 2961532



Plug-in miniature power relay, with multi-layer gold contact for high continuous currents, 1 PDT, input voltage 12 V DC

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Single relay - REL-MR- 24DC/21HC AU - 2961545



Plug-in miniature power relay, with multi-layer gold contact for high continuous currents, 1 PDT, input voltage 24 V DC

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Single relay - REL-MR-110DC/21HC AU - 2961561



Plug-in miniature power relay, with multi-layer gold contact for high continuous currents, 1 PDT, input voltage 110 V DC

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Single relay - REL-MR- 24AC/21HC AU - 2961503



Plug-in miniature power relay, with multi-layer gold contact for high continuous currents, 1 PDT, input voltage 24 V AC

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## Relay socket - PR1-BSC2/2X21 - 2833518

### Accessories

Single relay - REL-MR-120AC/21HC AU - 2961516



Plug-in miniature power relay, with multi-layer gold contact for high continuous currents, 1 PDT, input voltage 120 V AC

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Single relay - REL-MR-230AC/21HC AU - 2961529



Plug-in miniature power relay, with multi-layer gold contact for high continuous currents, 1 PDT, input voltage 230 V AC

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Single relay - REL-MR- 12DC/21-21 - 2961257



Plug-in miniature power relay, with power contact, 2 PDTs, input voltage 12 V DC

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Single relay - REL-MR- 24DC/21-21 - 2961192



Plug-in miniature power relay, with power contact, 2 PDTs, input voltage 24 V DC

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Single relay - REL-MR- 48DC/21-21 - 2834834



Plug-in miniature power relay, with power contact, 2 PDTs, input voltage 48 V DC

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## Relay socket - PR1-BSC2/2X21 - 2833518

### Accessories

Single relay - REL-MR- 60DC/21-21 - 2961273



Plug-in miniature power relay, with power contact, 2 PDTs, input voltage 60 V DC

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Single relay - REL-MR-110DC/21-21 - 2961202



Plug-in miniature power relay, with power contact, 2 PDTs, input voltage 110 V DC

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Single relay - REL-MR- 24AC/21-21 - 2961435



Plug-in miniature power relay, with power contact, 2 PDTs, input voltage 24 V AC

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Single relay - REL-MR-120AC/21-21 - 2961448



Plug-in miniature power relay, with power contact, 2 PDTs, input voltage 120 V AC

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Single relay - REL-MR-230AC/21-21 - 2961451



Plug-in miniature power relay, with power contact, 2 PDTs, input voltage 230 V AC

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## Relay socket - PR1-BSC2/2X21 - 2833518

### Accessories

Single relay - REL-MR- 12DC/21-21AU - 2961299



Plug-in miniature power relay, with multi-layer gold contact, 2 PDTs, input voltage 12 V DC

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Single relay - REL-MR- 24DC/21-21AU - 2961215



Plug-in miniature power relay, with multi-layer gold contact, 2 PDTs, input voltage 24 V DC

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Single relay - REL-MR- 48DC/21-21AU - 2834847



Plug-in miniature power relay, with multi-layer gold contact, 2 PDTs, input voltage 48 V DC

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Single relay - REL-MR- 60DC/21-21AU - 2961286



Plug-in miniature power relay, with multi-layer gold contact, 2 PDTs, input voltage 60 V DC

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Single relay - REL-MR-110DC/21-21AU - 2961228



Plug-in miniature power relay, with multi-layer gold contact, 2 PDTs, input voltage 110 V DC

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## Relay socket - PR1-BSC2/2X21 - 2833518

### Accessories

Single relay - REL-MR- 24AC/21-21AU - 2961464



Plug-in miniature power relay, with multi-layer gold contact, 2 PDTs, input voltage 24 V AC

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Single relay - REL-MR-120AC/21-21AU - 2961477



Plug-in miniature power relay, with multi-layer gold contact, 2 PDTs, input voltage 120 V AC

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Single relay - REL-MR-230AC/21-21AU - 2961480



Plug-in miniature power relay, with multi-layer gold contact, 2 PDTs, input voltage 230 V AC

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Single relay - REL-MR- 24DC/1IC - 2961341



Plug-in miniature power relay, with power contact for high switch-on currents, 1 N/O contact, input voltage 24 V DC

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