

## Relay base - PR1-BSC3/2X21 - 2833521

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PR1... relay base, for miniature power relays or miniature switching relays with 1 or 2 changeover contacts or solid-state relays of the same design, 1/3-level version, screw connections, plug-in option for input/interference suppression modules

### Your advantages

- ✓ Relay base family for assembly with 1- or 2-changeover contact relay or solid-state relays
- ✓ Plug-in input/interference suppression modules
- ✓ Relay retaining bracket with labeling field and ejection function



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	 4 017918 933777
GTIN	4017918933777
Weight per Piece (excluding packing)	52.000 g
Custom tariff number	85366990
Country of origin	China

### Technical data

#### Dimensions

Width	16 mm
Height	78.5 mm
Depth with retaining bracket	71 mm (EL1-P16)
	79 mm (EL1-P25)

#### Ambient conditions

# Relay base - PR1-BSC3/2X21 - 2833521

## Technical data

### Ambient conditions

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

### 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
Mounting position	any

### Standards and Regulations

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

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

# Relay base - PR1-BSC3/2X21 - 2833521

## Classifications

eCl@ss

eCl@ss 4.0	27371100
eCl@ss 4.1	27371100
eCl@ss 5.0	27371600
eCl@ss 5.1	27371600
eCl@ss 6.0	27371600
eCl@ss 7.0	27371603
eCl@ss 9.0	27371603

## ETIM

ETIM 2.0	EC001456
ETIM 3.0	EC001456
ETIM 4.0	EC001456
ETIM 6.0	EC001456
ETIM 7.0	EC001456

## UNSPSC

UNSPSC 6.01	30211917
UNSPSC 7.0901	39121516
UNSPSC 11	39121516
UNSPSC 12.01	39121516
UNSPSC 13.2	39122326
UNSPSC 18.0	39122335
UNSPSC 19.0	39122335
UNSPSC 20.0	39122335
UNSPSC 21.0	39122335

## Accessories

Accessories

Device marking

Label - EML (15X6)R YE - 0819288



Label, Roll, yellow, unlabeled, can be labeled with: THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK ROLL X1, THERMOMARK ROLL 2.0, THERMOMARK ROLL, mounting type: adhesive, lettering field size: 15 x 6 mm, Number of individual labels: 2500

## Relay base - PR1-BSC3/2X21 - 2833521

### Accessories

#### Loop bridge

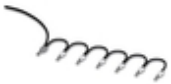
Wire bridge - DB 50- 90 BU - 2821180

Flexible wire loop bridge, 50-pos., conductor cross-section: 0.5 mm<sup>2</sup>, loop length: 90 mm, ferrule length: 8 mm, color: blue



Wire bridge - DB 50- 90 BK - 2820916

Flexible wire loop bridge, 50-pos., conductor cross-section: 0.5 mm<sup>2</sup>, loop length: 90 mm, ferrule length: 8 mm, color: black



Wire bridge - DB 50- 90 GY - 2820929

Flexible wire loop bridge, 50-pos., conductor cross-section: 0.5 mm<sup>2</sup>, loop length: 90 mm, ferrule length: 8 mm, color: gray



#### Marking material

Marker labels - MP 1 - 2833631



Equipment marker, labeling surface 6 x 15 mm

#### Plug-in module

## Relay base - PR1-BSC3/2X21 - 2833521

### Accessories

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



Plug-in module, with freewheeling 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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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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## Relay base - PR1-BSC3/2X21 - 2833521

### Accessories

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, with varistor and yellow LED, input voltage: 120 ... 230 V AC / 110 V DC  $\pm 20$  %

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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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## Relay base - PR1-BSC3/2X21 - 2833521

### Accessories

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



Plug-in module, with RC element, input voltage: 120 ... 230 V AC/DC  $\pm 20$  %

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### Retaining bracket

## Relay base - PR1-BSC3/2X21 - 2833521

### Accessories

#### Retaining bracket - EL1-P16 - 2833547



Relay retaining bracket, with eject function and integrated equipment marking area (7.5 x 15 mm), to suit relay base 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 base 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 changeover contact, 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 changeover contact, input voltage 24 V DC

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



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

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## Relay base - PR1-BSC3/2X21 - 2833521

### Accessories

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



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

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



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

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## Relay base - PR1-BSC3/2X21 - 2833521

### Accessories

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



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

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



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

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## Relay base - PR1-BSC3/2X21 - 2833521

### Accessories

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



Plug-in miniature power relay, with multi-layer gold contact for high continuous currents, 1 changeover contact, 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 changeover contacts, 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 changeover contacts, 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 changeover contacts, input voltage 48 V DC

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



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

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## Relay base - PR1-BSC3/2X21 - 2833521

### Accessories

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



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

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



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

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## Relay base - PR1-BSC3/2X21 - 2833521

### Accessories

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



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

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



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

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## Relay base - PR1-BSC3/2X21 - 2833521

### Accessories

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



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

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



Pluggable miniature power relay, with power contact for high switch-on currents up to 130 A peaks, 1 N/O contact, input voltage: 24 V DC

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Single relay - REL-MR- 24DC/21HC/MS - 2987888



Plug-in miniature relay, with power contact, 1 changeover contact, test button, mechanical switching position indicator, status LED, freewheeling diode, polarity A1+, A2-, input voltage 24 V DC

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Single relay - REL-MR- 24AC/21HC/MS - 2987891



Plug-in miniature relay, with power contact, 1 changeover contact, test button, mechanical switching position indicator, status LED, input voltage 24 V AC

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## Relay base - PR1-BSC3/2X21 - 2833521

### Accessories

#### Single relay - REL-MR-120AC/21HC/MS - 2987901



Plug-in miniature relay, with power contact, 1 changeover contact, test button, mechanical switching position indicator, status LED, input voltage 120 V AC

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#### Single relay - REL-MR-230AC/21HC/MS - 2987914



Plug-in miniature relay, with power contact, 1 changeover contact, test button, mechanical switching position indicator, status LED, input voltage 230 V AC

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#### Single relay - REL-MR- 24DC/21HC AU/MS - 2987927



Plug-in miniature relay, with multi-layer contact with hard gold coating, 1 changeover contact, test button, mechanical switching position indicator, status LED, freewheeling diode, polarity A1+, A2-, input voltage 24 V DC

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#### Single relay - REL-MR-230AC/21HC AU/MS - 2987930



Plug-in miniature relay, with multi-layer contact with hard gold coating, 1 changeover contact, test button, mechanical switching position indicator, status LED, input voltage 230 V AC

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#### Single relay - REL-MR- 24DC/21-21/MS - 2987943



Plug-in miniature relay, with power contact, 2 changeover contacts, test button, mechanical switching position indicator, status LED, freewheeling diode, polarity A1+, A2, input voltage 24 V DC

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## Relay base - PR1-BSC3/2X21 - 2833521

### Accessories

Single relay - REL-MR- 24AC/21-21/MS - 2987956



Plug-in miniature relay, with power contact, 2 changeover contacts, test button, mechanical switching position indicator, status LED, input voltage 24 V AC

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Single relay - REL-MR-120AC/21-21/MS - 2987969



Plug-in miniature relay, with power contact, 2 changeover contacts, test button, mechanical switching position indicator, status LED, coil voltage 120 V AC

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Single relay - REL-MR-230AC/21-21/MS - 2987972



Plug-in miniature relay, with power contact, 2 changeover contacts, test button, mechanical switching position indicator, status LED, coil voltage 230 V AC

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Single relay - REL-MR- 24DC/21-21AU/MS - 2987985



Plug-in miniature relay, with multi-layer contact with hard gold coating, 2 changeover contacts, test button, mechanical switching position indicator, status LED, freewheeling diode, polarity A1+, A2-, input voltage 24 V DC

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Single relay - REL-MR-230AC/21-21AU/MS - 2987998



Plug-in miniature relay, with multi-layer contact with hard gold coating, 2 changeover contacts, test button, mechanical switching position indicator, status LED, coil voltage 230 V AC

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