

PR1-BSC3/2X21 - Relay base



2833521

<https://www.phoenixcontact.com/us/products/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
- Relay retaining bracket with labeling field and ejection function
- Plug-in input/interference suppression modules

Commercial data

Item number	2833521
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C463
Product key	CK6312
Catalog page	Page 379 (C-7-2015)
GTIN	4017918933777
Weight per piece (including packing)	51.84 g
Weight per piece (excluding packing)	47.22 g
Customs tariff number	85366990
Country of origin	CN

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Technical data

Product properties

Product type	Relay socket
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Electrical properties

Nominal voltage U_N	300 V AC/DC
Nominal current I_N	12 A

Connection data

Input side

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	0.2 mm ² ... 2.5 mm ² 0.2 mm ² ... 2.5 mm ² (2 conductors with the same cross-section)
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ² 0.2 mm ² ... 2.5 mm ² (2 conductors with the same cross-section)
Conductor cross section AWG	26 ... 14 26 ... 14 (2 conductors with the same cross-section)

Output side

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	0.2 mm ² ... 2.5 mm ² 0.2 mm ² ... 2.5 mm ² (2 conductors with the same cross-section)
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ² 0.2 mm ² ... 2.5 mm ² (2 conductors with the same cross-section)
Conductor cross section AWG	26 ... 14 26 ... 14 (2 conductors with the same cross-section)

Dimensions

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

Material specifications

Color	green (RAL 6021)
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Environmental and real-life conditions

Ambient conditions

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

Mounting

Mounting type	DIN rail mounting
Mounting position	any

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Classifications

ECLASS

ECLASS-11.0	27371603
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UNSPSC

UNSPSC 21.0	39122335
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Environmental product compliance

China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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Mandatory accessories

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

2961309

<https://www.phoenixcontact.com/us/products/2961309>

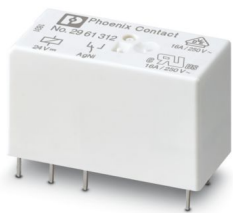


Plug-in miniature power relay, with power contact for high continuous currents, 1 changeover contact, input voltage 12 V DC

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

2961312

<https://www.phoenixcontact.com/us/products/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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REL-MR- 48DC/21HC - Single relay

2834821

<https://www.phoenixcontact.com/us/products/2834821>

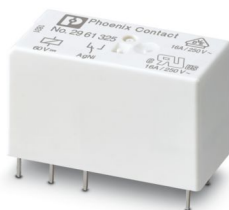


Plug-in miniature power relay, with power contact for high continuous currents, 1 changeover contact, input voltage 48 V DC

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

2961325

<https://www.phoenixcontact.com/us/products/2961325>



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

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

2961338

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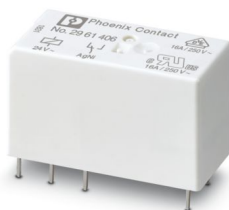


Plug-in miniature power relay, with power contact for high continuous currents, 1 changeover contact, input voltage 110 V DC

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

2961406

<https://www.phoenixcontact.com/us/products/2961406>



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

PR1-BSC3/2X21 - Relay base

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

2961419

<https://www.phoenixcontact.com/us/products/2961419>

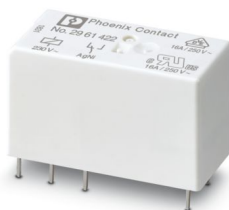


Plug-in miniature power relay, with power contact for high continuous currents, 1 changeover contact, input voltage 120 V AC

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

2961422

<https://www.phoenixcontact.com/us/products/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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REL-MR- 12DC/21HC AU - Single relay

2961532

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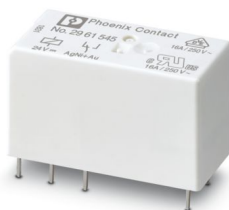


Plug-in miniature power relay, with multi-layer gold contact for high continuous currents, 1 changeover contact, input voltage 12 V DC

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

2961545

<https://www.phoenixcontact.com/us/products/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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REL-MR-110DC/21HC AU - Single relay

2961561

<https://www.phoenixcontact.com/us/products/2961561>

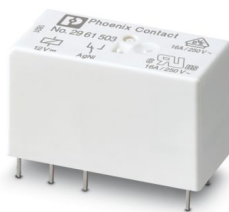


Plug-in miniature power relay, with multi-layer gold contact for high continuous currents, 1 changeover contact, input voltage 110 V DC

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

2961503

<https://www.phoenixcontact.com/us/products/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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REL-MR-120AC/21HC AU - Single relay

2961516

<https://www.phoenixcontact.com/us/products/2961516>

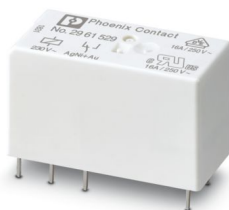


Plug-in miniature power relay, with multi-layer gold contact for high continuous currents, 1 changeover contact, input voltage 120 V AC

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

2961529

<https://www.phoenixcontact.com/us/products/2961529>



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

PR1-BSC3/2X21 - Relay base



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

2961257

<https://www.phoenixcontact.com/us/products/2961257>



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

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

2961192

<https://www.phoenixcontact.com/us/products/2961192>



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

PR1-BSC3/2X21 - Relay base



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<https://www.phoenixcontact.com/us/products/2833521>

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

2834834

<https://www.phoenixcontact.com/us/products/2834834>

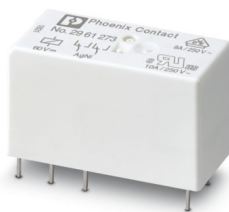


Plug-in miniature power relay, with power contact, 2 changeover contacts, input voltage 48 V DC

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

2961273

<https://www.phoenixcontact.com/us/products/2961273>



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

PR1-BSC3/2X21 - Relay base

2833521

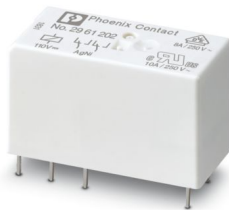
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REL-MR-110DC/21-21 - Single relay

2961202

<https://www.phoenixcontact.com/us/products/2961202>

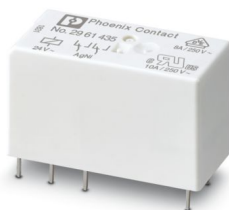


Plug-in miniature power relay, with power contact, 2 changeover contacts, input voltage 110 V DC

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

2961435

<https://www.phoenixcontact.com/us/products/2961435>



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

PR1-BSC3/2X21 - Relay base

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<https://www.phoenixcontact.com/us/products/2833521>



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

2961448

<https://www.phoenixcontact.com/us/products/2961448>

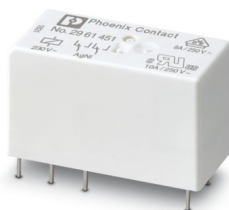


Plug-in miniature power relay, with power contact, 2 changeover contacts, input voltage 120 V AC

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

2961451

<https://www.phoenixcontact.com/us/products/2961451>



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

PR1-BSC3/2X21 - Relay base



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

2961299

<https://www.phoenixcontact.com/us/products/2961299>

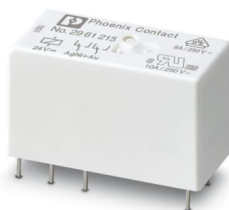


Plug-in miniature power relay, with multi-layer gold contact, 2 changeover contacts, input voltage 12 V DC

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

2961215

<https://www.phoenixcontact.com/us/products/2961215>



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

PR1-BSC3/2X21 - Relay base

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<https://www.phoenixcontact.com/us/products/2833521>



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

2834847

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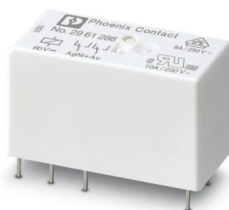


Plug-in miniature power relay, with multi-layer gold contact, 2 changeover contacts, input voltage 48 V DC

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

2961286

<https://www.phoenixcontact.com/us/products/2961286>



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

PR1-BSC3/2X21 - Relay base

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<https://www.phoenixcontact.com/us/products/2833521>



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

2961228

<https://www.phoenixcontact.com/us/products/2961228>

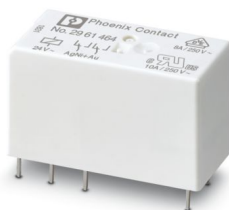


Plug-in miniature power relay, with multi-layer gold contact, 2 changeover contacts, input voltage 110 V DC

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

2961464

<https://www.phoenixcontact.com/us/products/2961464>



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

PR1-BSC3/2X21 - Relay base

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

2961477

<https://www.phoenixcontact.com/us/products/2961477>

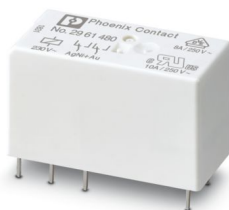


Plug-in miniature power relay, with multi-layer gold contact, 2 changeover contacts, input voltage 120 V AC

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

2961480

<https://www.phoenixcontact.com/us/products/2961480>



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

PR1-BSC3/2X21 - Relay base

2833521

<https://www.phoenixcontact.com/us/products/2833521>



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

2961341

<https://www.phoenixcontact.com/us/products/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

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

2987888

<https://www.phoenixcontact.com/us/products/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

PR1-BSC3/2X21 - Relay base

2833521

<https://www.phoenixcontact.com/us/products/2833521>



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

2987891

<https://www.phoenixcontact.com/us/products/2987891>



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

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

2987901

<https://www.phoenixcontact.com/us/products/2987901>



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

PR1-BSC3/2X21 - Relay base

2833521

<https://www.phoenixcontact.com/us/products/2833521>



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

2987914

<https://www.phoenixcontact.com/us/products/2987914>



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

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

2987927

<https://www.phoenixcontact.com/us/products/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

PR1-BSC3/2X21 - Relay base

2833521

<https://www.phoenixcontact.com/us/products/2833521>



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

2987930

<https://www.phoenixcontact.com/us/products/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

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

2987943

<https://www.phoenixcontact.com/us/products/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

PR1-BSC3/2X21 - Relay base

2833521

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

2987956

<https://www.phoenixcontact.com/us/products/2987956>



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

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

2987969

<https://www.phoenixcontact.com/us/products/2987969>



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

PR1-BSC3/2X21 - Relay base

2833521

<https://www.phoenixcontact.com/us/products/2833521>



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

2987972

<https://www.phoenixcontact.com/us/products/2987972>



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

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

2987985

<https://www.phoenixcontact.com/us/products/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

PR1-BSC3/2X21 - Relay base

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

2987998

<https://www.phoenixcontact.com/us/products/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

Accessories

LDP- 12- 24DC - Plug-in module

2833657

<https://www.phoenixcontact.com/us/products/2833657>



Plug-in module, with freewheeling diode and yellow LED, polarity: A1+, A2-, input voltage: 12 ... 24 V DC $\pm 20\%$

PR1-BSC3/2X21 - Relay base



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LDP- 48- 60DC - Plug-in module

2833660

<https://www.phoenixcontact.com/us/products/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 ± 20 %

LDP-110DC - Plug-in module

2833673

<https://www.phoenixcontact.com/us/products/2833673>



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

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LV- 12- 24UC - Plug-in module

2833712

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

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

2833738

<https://www.phoenixcontact.com/us/products/2833738>



Plug-in module, with varistor and yellow LED, input voltage: 120 ... 230 V AC / 110 V DC ± 20 %

PR1-BSC3/2X21 - Relay base

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V-120-230UC - Plug-in module

2833880

<https://www.phoenixcontact.com/us/products/2833880>



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

RC-120-230UC - Plug-in module

2833767

<https://www.phoenixcontact.com/us/products/2833767>



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

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MP 1 - Marker labels

2833631

<https://www.phoenixcontact.com/us/products/2833631>

Equipment marker, labeling surface 6 x 15 mm



EML (15X6)R YE - Label

0819288

<https://www.phoenixcontact.com/us/products/0819288>



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

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DB 50- 90 BU - Wire bridge

2821180

<https://www.phoenixcontact.com/us/products/2821180>

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



DB 50- 90 BK - Wire bridge

2820916

<https://www.phoenixcontact.com/us/products/2820916>

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



PR1-BSC3/2X21 - Relay base

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DB 50- 90 GY - Wire bridge

2820929

<https://www.phoenixcontact.com/us/products/2820929>

Flexible wire loop bridge, 50-pos., conductor cross-section: 0.5 mm², loop length: 90 mm, ferrule length: 8 mm, color: gray



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