

REL-MR- 24DC/21 - Single relay

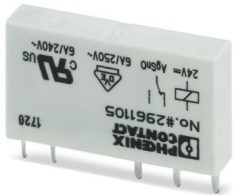
2961105

<https://www.phoenixcontact.com/pt/produtos/2961105>



Note que os dados aqui indicados foram obtidos a partir do catálogo online. Para informações e dados completos, consulte a documentação do utilizador. Aplicam-se as condições gerais de utilização para downloads da Internet

Plug-in miniature power relay, with power contact, 1 changeover contact, input voltage 24 V DC



Vantagens

- Safe isolation between coil and contact side
- High degree of protection up to RT III depending on type (wash-proof)
- Power contacts up to 6 A

Dados comerciais

N.º de artigo	2961105
Pcs./Emb	10 Unidade
Quantidade mínima de pedido	10 Unidade
Chave comercial	CK6
Chave de produto	CK6921
Página de catálogo	Página 284 (C-5-2019)
GTIN	4017918130893
Peso por unidade (inclusive embalagem)	6,71 g
Peso por unidade (excluindo embalagem)	5 g
Número do imposto alfandegário	85364190
País de origem	CZ

REL-MR- 24DC/21 - Single relay



2961105

<https://www.phoenixcontact.com/pt/produtos/2961105>

Dados técnicos

Product properties

Product type	Single relay
Operating mode	100% operating factor
Mechanical service life	2x 10 ⁷ cycles

Data management status

Date of last data management	18.06.2024
Article revision	02

Insulation characteristics

Overvoltage category	III
Pollution degree	3

Electrical properties

Maximum power dissipation for nominal condition	0.17 W
Test voltage (Winding/contact)	4 kV AC (50 Hz, 1 min., winding/contact)

Input data

Coil side

Nominal input voltage U _N	24 V DC
Input voltage range	14.4 V DC ... 66 V DC
Input voltage range in reference to U _N	see diagram
Drive and function	monostable
Drive (polarity)	non-polarized
Typical input current at U _N	7 mA
Typical response time	5 ms
Typical release time	2.5 ms
Coil resistance	3390 Ω ±10 % (at 20 °C)

Output data

Switching

Contact switching type	1 changeover contact
Type of switch contact	Single contact
Contact material	AgSnO
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (at 100 mA)
Limiting continuous current	6 A
Maximum inrush current	10 A (4 s)
Min. switching current	10 mA (at 12 V)
Interrupting rating (ohmic load) max.	140 W (at 24 V DC) 20 W (at 48 V DC)

REL-MR- 24DC/21 - Single relay

2961105

<https://www.phoenixcontact.com/pt/produtos/2961105>



Switching capacity	18 W (at 60 V DC)
	23 W (at 110 V DC)
	40 W (at 220 V DC)
	1500 VA (for 250 V AC)
	2 A (at 24 V, DC13)
Motor load according to UL 508	0.2 A (at 110 V, DC13)
	0.1 A (at 220 V, DC13)
	3 A (at 24 V, AC15)
	3 A (at 120 V, AC15)
	3 A (at 230 V, AC15)
Motor load according to UL 508	1/4 HP, 240 - 277 V AC (N/O contact)
	1/6 HP, 240 - 277 V AC (N/C contact)

Connection data

Connection method	Plug / solder connection
-------------------	--------------------------

Dimensions

Dimensional drawing	
Width	5 mm
Height	28 mm
Depth	15 mm

Material specifications

Color	white (RAL 9010)
-------	------------------

Environmental and real-life conditions

Ambient conditions

Degree of protection	RT III
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Standards and regulations

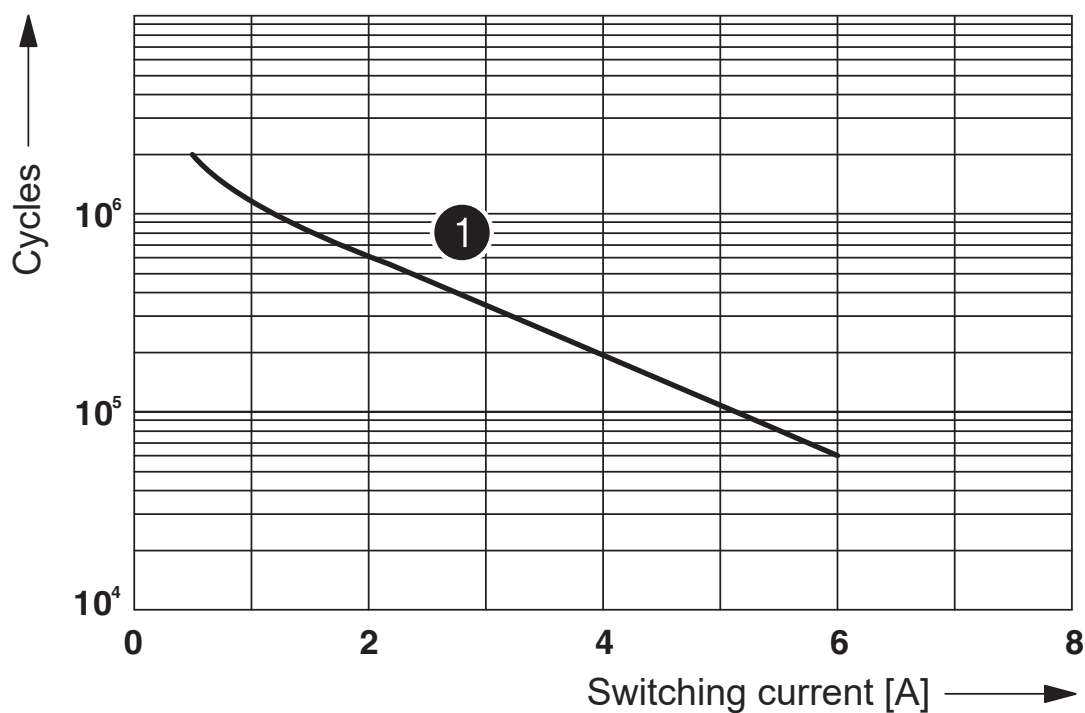
Standards/regulations	IEC 60664
	EN 50178
	EN 61810-1

Mounting

Assembly note	in rows with zero spacing
Mounting position	any

Desenhos

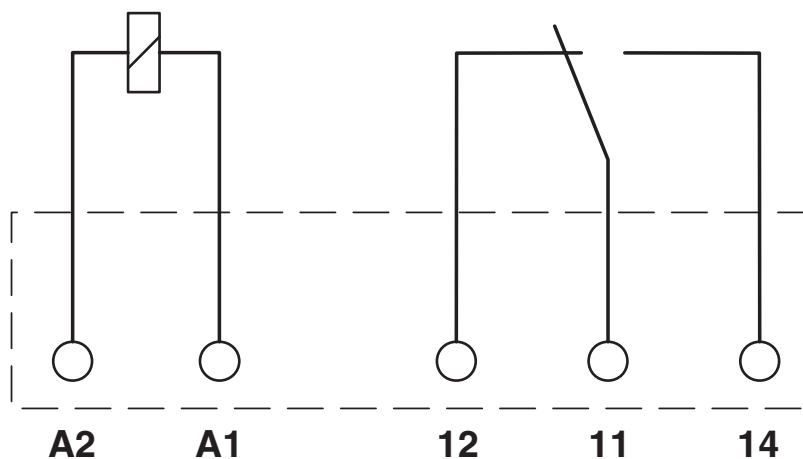
Diagram



① 250 V AC, ohmic load

Electrical service life

Circuit diagram



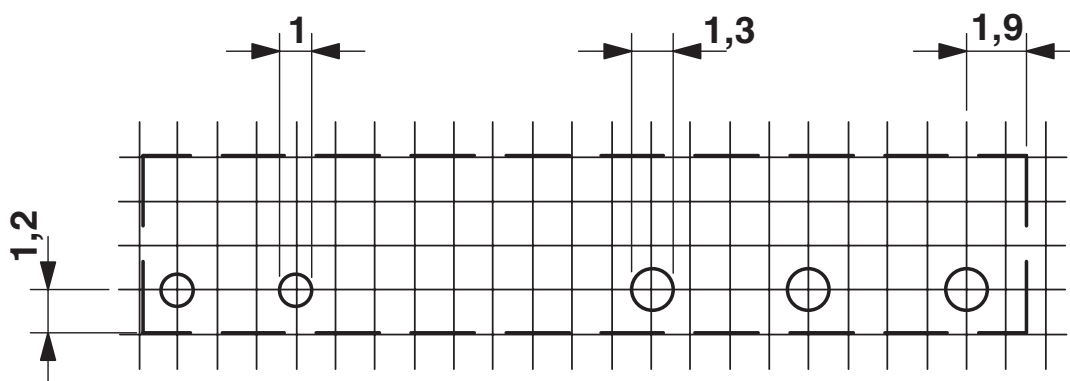
REL-MR- 24DC/21 - Single relay

2961105

<https://www.phoenixcontact.com/pt/produtos/2961105>

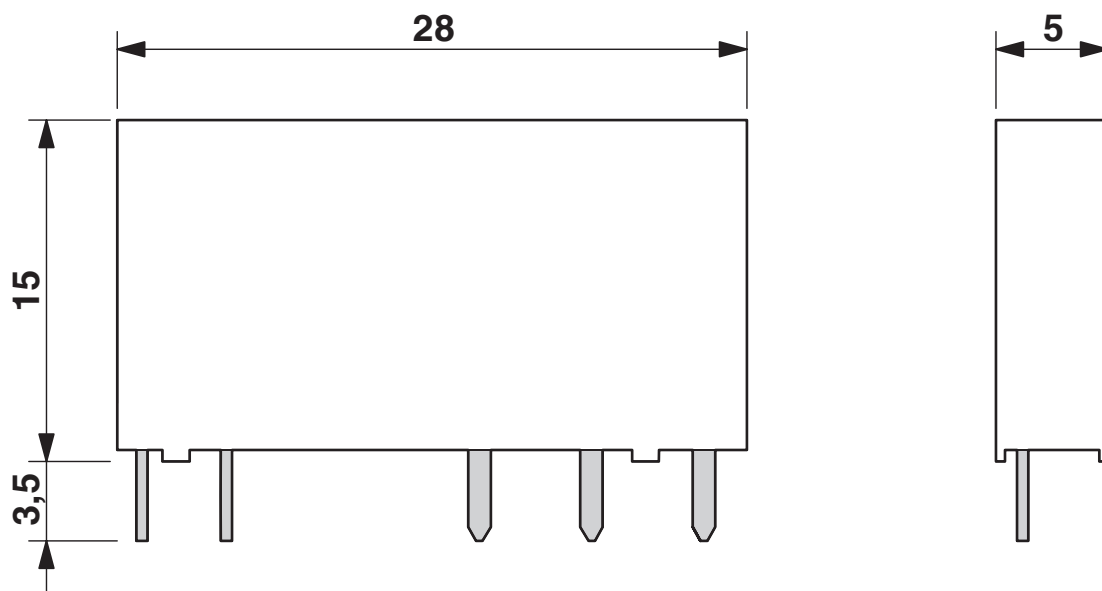


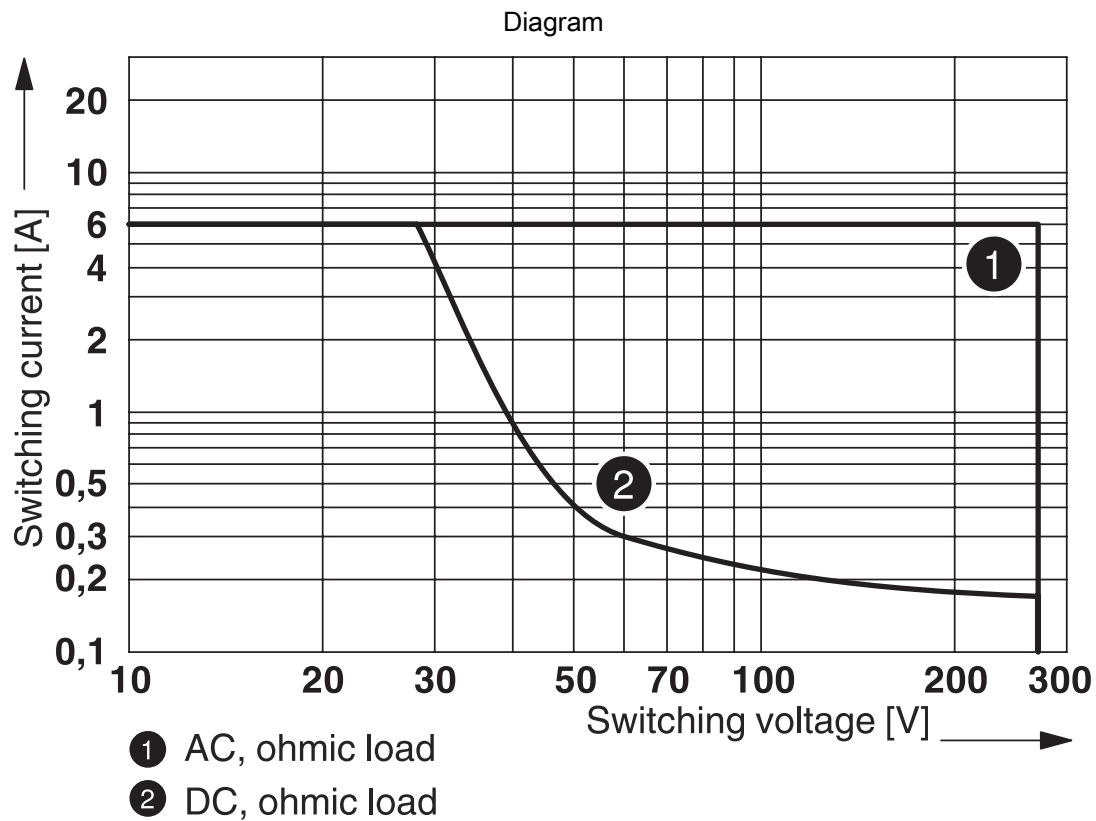
Drilling plan/solder pad geometry



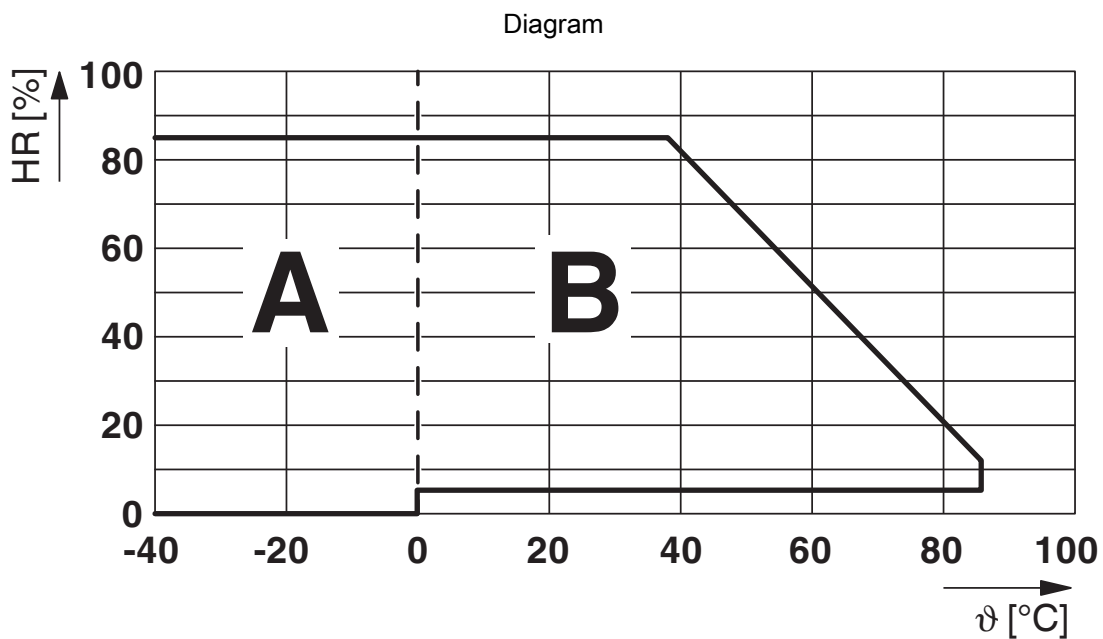
a = pitch division 1.25 mm and 1.27 mm

Dimensional drawing





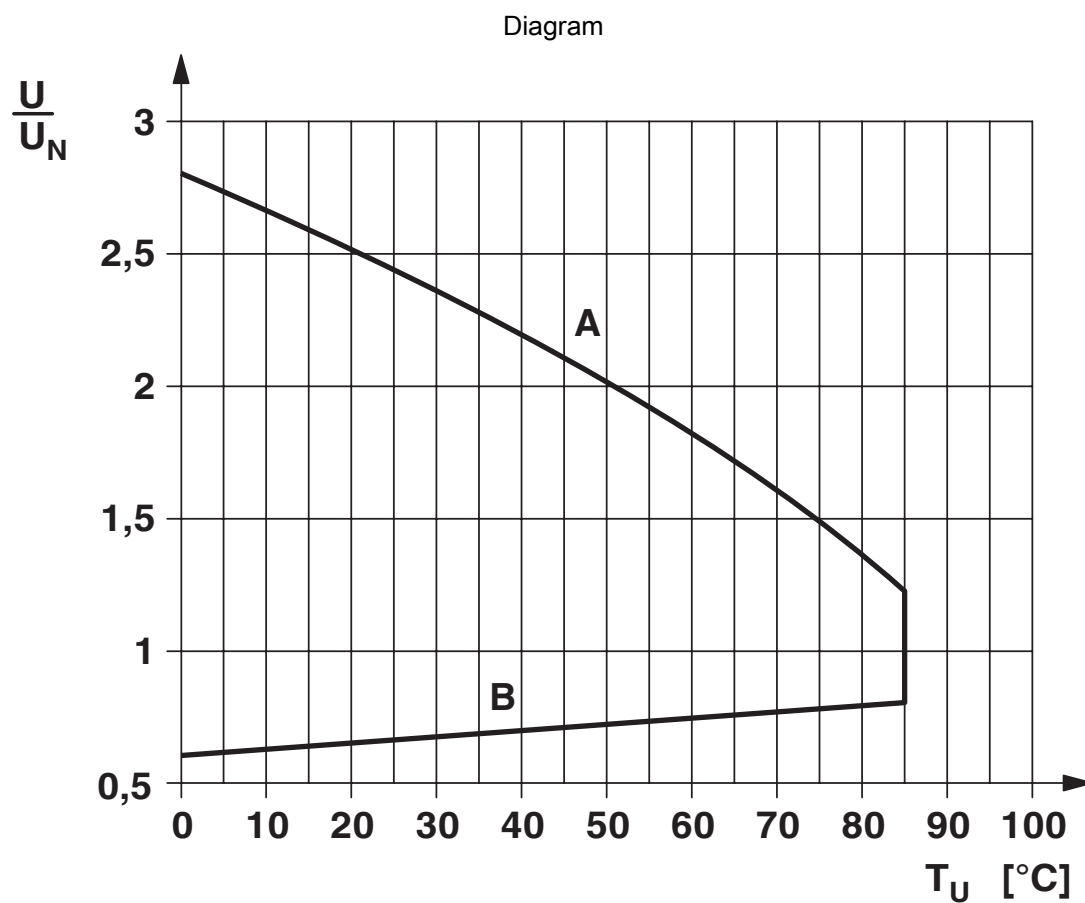
Interrupting rating



Permissible humidity for operation and storage.

The maximum permissible ambient temperature as specified in the data sheet must be observed.

Area A: Ice buildup at ambient temperatures $\leq 0^{\circ}\text{C}$ must be preventedArea B: Condensation at ambient temperatures $> 0^{\circ}\text{C}$ must be preventedOn 30 full days that are naturally distributed across an entire year, a humidity level of 95% is permissible at an ambient temperature $\leq 25^{\circ}\text{C}$.



Operating voltage range

REL-MR- 24DC/21 - Single relay



2961105

<https://www.phoenixcontact.com/pt/produtos/2961105>

Certificações

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pt/produtos/2961105>



cUL Recognized

ID de certificação: FILE E 172140



UL Recognized

ID de certificação: FILE E 172140



EAC

ID de certificação: TR_TS_D_00573_c



UL Recognized

ID de certificação: FILE E 172140



EAC

ID de certificação: RU*C-DE.*08.B.00010



VDE Zeichengenehmigung

ID de certificação: 40010212



VDE Zeichengenehmigung

ID de certificação: 40032864



cUL Recognized

ID de certificação: FILE E 172140



VDE Zeichengenehmigung

ID de certificação: 40054426



cUL Recognized

ID de certificação: FILE E 172140



UL Recognized

ID de certificação: FILE E 172140

REL-MR- 24DC/21 - Single relay



2961105

<https://www.phoenixcontact.com/pt/produtos/2961105>

Classificações

ECLASS

ECLASS-11.0	27371601
ECLASS-12.0	27371601
ECLASS-13.0	27371601

ETIM

ETIM 9.0	EC001437
----------	----------

UNSPSC

UNSPSC 21.0	39122300
-------------	----------

REL-MR- 24DC/21 - Single relay



2961105

<https://www.phoenixcontact.com/pt/produtos/2961105>

Environmental product compliance

EU RoHS	
Cumpra os requisitos de substância segundo a Diretiva RoHS	Sim, Sem regras de exceção
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	Nenhuma substância perigosa acima dos valores-limite
EU REACH SVHC	
Nota sobre as substâncias candidatas ao REACH (n.º CAS)	Nenhuma substância numa proporção superior a 0,1 % em massa

REL-MR- 24DC/21 - Single relay

2961105

<https://www.phoenixcontact.com/pt/produtos/2961105>



Acessórios necessários

PLC-BPT- 24DC/21 - Relay base

2900445

<https://www.phoenixcontact.com/pt/produtos/2900445>



6.2 mm PLC basic terminal block with Push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 24 V DC

PLC-BSC- 24DC/21 - Relay base

2966016

<https://www.phoenixcontact.com/pt/produtos/2966016>



6.2 mm PLC basic terminal block with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 24 V DC

REL-MR- 24DC/21 - Single relay

2961105

<https://www.phoenixcontact.com/pt/produtos/2961105>



PLC-BPT- 24UC/21 - Relay base

2900446

<https://www.phoenixcontact.com/pt/produtos/2900446>



6.2 mm PLC basic terminal block with Push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 24 V AC/DC

PLC-BSC- 24UC/21 - Relay base

2966029

<https://www.phoenixcontact.com/pt/produtos/2966029>



6.2 mm PLC basic terminal block with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 24 V AC/DC

REL-MR- 24DC/21 - Single relay

2961105

<https://www.phoenixcontact.com/pt/produtos/2961105>



PLC-BPT- 24DC/ 1/SEN - Relay base

2900262

<https://www.phoenixcontact.com/pt/produtos/2900262>



6.2 mm PLC basic terminal block for input functions with push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with sensor supply voltage distribution (BB), 1 N/O contact, input voltage 24 V DC

PLC-BSC- 24DC/ 1/SEN - Relay base

2966061

<https://www.phoenixcontact.com/pt/produtos/2966061>



6.2 mm PLC basic terminal block for input functions with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with sensor supply voltage distribution (BB), 1 N/O contact, input voltage 24 V DC

REL-MR- 24DC/21 - Single relay

2961105

<https://www.phoenixcontact.com/pt/produtos/2961105>



PLC-BPT- 24UC/ 1/ACT - Relay base

2900450

<https://www.phoenixcontact.com/pt/produtos/2900450>



6.2 mm PLC basic terminal block for output functions with push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with load return line connection (BB), 1 N/O contact, input voltage 24 V AC/DC

PLC-BSC- 24UC/ 1/ACT - Relay base

2982799

<https://www.phoenixcontact.com/pt/produtos/2982799>



6.2 mm PLC basic terminal block for output functions with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with load return line connection (BB), 1 N/O contact, input voltage 24 V AC/DC

REL-MR- 24DC/21 - Single relay

2961105

<https://www.phoenixcontact.com/pt/produtos/2961105>



PLC-BSC- 24DC/21/SO46 - Relay base

2980458

<https://www.phoenixcontact.com/pt/produtos/2980458>



6.2 mm PLC basic terminal block with protection against interference currents/voltages on the control side, with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with increased input current consumption, 1 changeover contact, input voltage 24 V DC

RIF-0-BPT/21 - Relay base

2900958

<https://www.phoenixcontact.com/pt/produtos/2900958>



Relay base RIF-0..., for miniature power relay with 1 changeover contact or solid-state relays of the same design, Push-in connection, for mounting on NS 35/7,5

REL-MR- 24DC/21 - Single relay

2961105

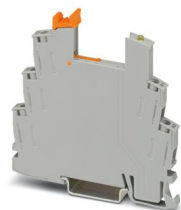
<https://www.phoenixcontact.com/pt/produtos/2961105>



RIF-0-BSC/21 - Relay base

2900957

<https://www.phoenixcontact.com/pt/produtos/2900957>



RIF-0... relay base, for miniature power relay with 1 changeover contact or identical solid-state relays, screw connection, for mounting on NS 35/7,5

Phoenix Contact 2024 © - Todos os direitos reservados

<https://www.phoenixcontact.com>

Phoenix Contact S.A.

Sintra Business Park, Edifício n°1, Zona Industrial da Abrunheira

2710-089 SINTRA

(+351) 21 911 2760

pt-info@phoenixcontact.com