#### 2961338

https://www.phoenixcontact.com/gb/products/2961338

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

## Your advantages

Switching current of up to 16 A

## Commercial data

Item number	2961338
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	CK6195
Product key	CK6195
Catalog page	Page 290 (C-5-2019)
GTIN	4017918187590
Weight per piece (including packing)	16.25 g
Weight per piece (excluding packing)	16.2 g
Customs tariff number	85364900
Country of origin	AT

PHŒNIX



https://www.phoenixcontact.com/gb/products/2961338



## Technical data

## **Product properties**

Product type	Single relay
Operating mode	100% operating factor
Mechanical service life	3x 10 <sup>7</sup> cycles
nsulation characteristics	

## Electrical properties

Service life electrical	see diagram
Maximum power dissipation for nominal condition	0.45 W
Test voltage (Winding/contact)	5 kV AC (50 Hz, 1 min., winding/contact)

## Input data

Coil side	
Nominal input voltage U <sub>N</sub>	110 V DC
Input voltage range	71.5 V DC 264 V DC
Drive and function	monostable
Drive (polarity)	non-polarized
Typical input current at U <sub>N</sub>	4.1 mA
Typical response time	7 ms
Typical release time	3 ms
Coil resistance	26600 Ω ±15 % (at 20 °C)

## Output data

Switching	
Contact switching type	1 changeover contact
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V (at 10 mA)
Limiting continuous current	16 A
Maximum inrush current	50 A (20 ms)
Min. switching current	10 mA (at 12 V)
Interrupting rating (ohmic load) max.	384 W (at 24 V DC)
	58 W (at 48 V DC)
	48 W (at 60 V DC)
	50 W (at 110 V DC)
	80 W (at 220 V DC)
	4000 VA (for 250 V AC)

### 2961338

https://www.phoenixcontact.com/gb/products/2961338

Switching capacity	2 A (at 24 V, DC13)
	0.2 A (at 110 V, DC13)
	0.2 A (at 250 V, DC13)
	6 A (at 24 V, AC15)
	6 A (at 120 V, AC15)
	6 A (at 250 V, AC15)
Motor load according to UL 508	1/2 HP, 120 V AC (N/O contact)
	1 HP, 240 V AC (N/O contact)
	1/3 HP, 120 V AC (N/C contact)
	3/4 HP, 240 V AC (N/C contact)
	1/4 HP, 200 250 V AC

## Connection data

Connection method Plug / solder connection

## Dimensions

Dimensional drawing	
Width	12.7 mm
Height	29 mm
Depth	15.7 mm

## Material specifications

Color	white (RAL 9010)

## Environmental and real-life conditions

Ambient conditions

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

## Approvals

Corrosive gas test

Identification	ISA-S71.04. G3 Harsh Group
	EN 60068-2-60

## Standards and regulations

Standards/regulations	IEC 60664
	EN 50178
	EN 61810-1

<u> PHŒNIX</u>

### 2961338

https://www.phoenixcontact.com/gb/products/2961338



## Mounting

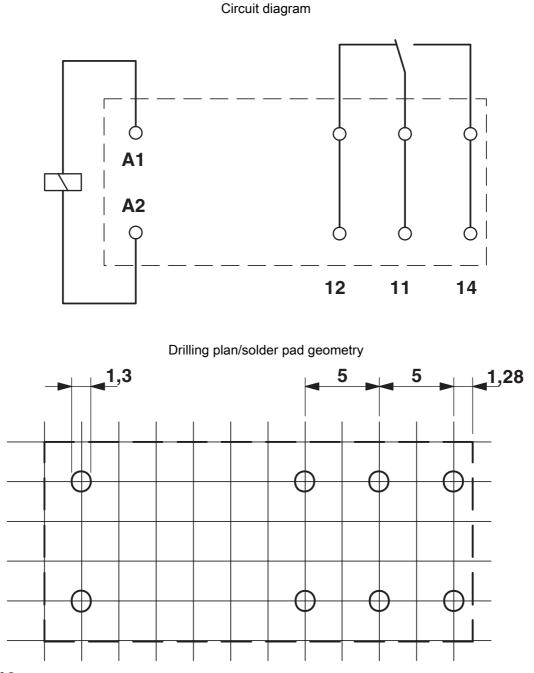
Assembly instructions	Can be aligned without spacing (> 70 $^{\circ}$ C ≥ 2.5 mm)
Mounting position	any



2961338

https://www.phoenixcontact.com/gb/products/2961338

## Drawings

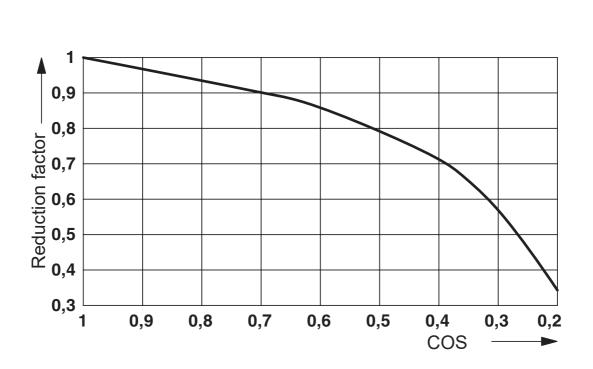


a = pitch division 2.5 mm



2961338

https://www.phoenixcontact.com/gb/products/2961338



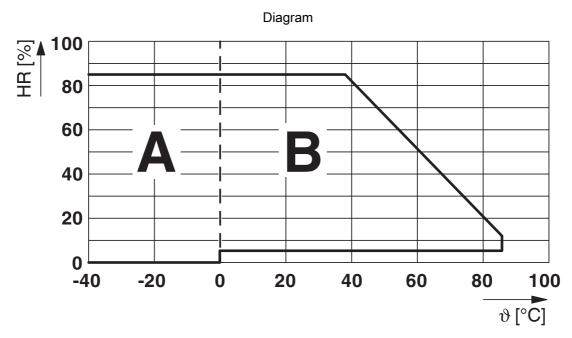
Diagram

Service life reduction factor with various cos phi



### 2961338

https://www.phoenixcontact.com/gb/products/2961338



Permissible humidity for operation and storage.

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

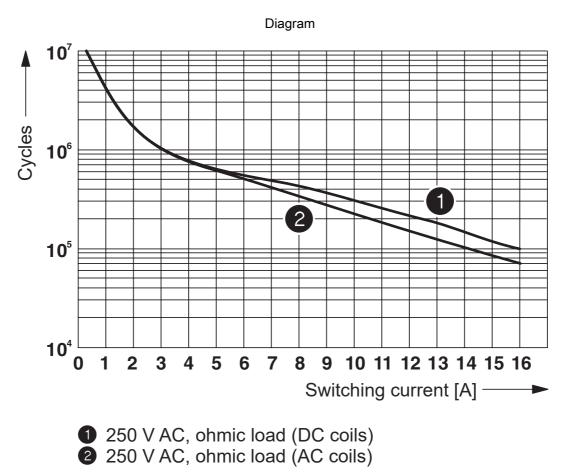
Area A: Ice buildup at ambient temperatures  $\leq 0^{\circ}$ C must be prevented Area B: Condensation at ambient temperatures > 0°C must be prevented

On 30 full days that are naturally distributed across an entire year, a humidity level of 95% is permissible at an ambient temperature ≤ 25°C.



2961338

https://www.phoenixcontact.com/gb/products/2961338

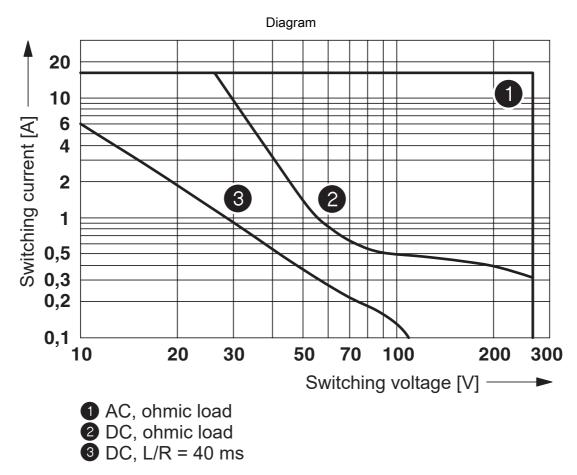


Electrical service life



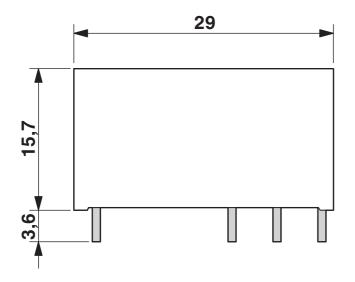
2961338

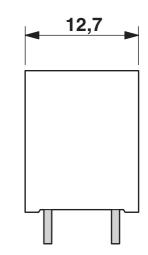
https://www.phoenixcontact.com/gb/products/2961338



Interrupting rating

Dimensional drawing

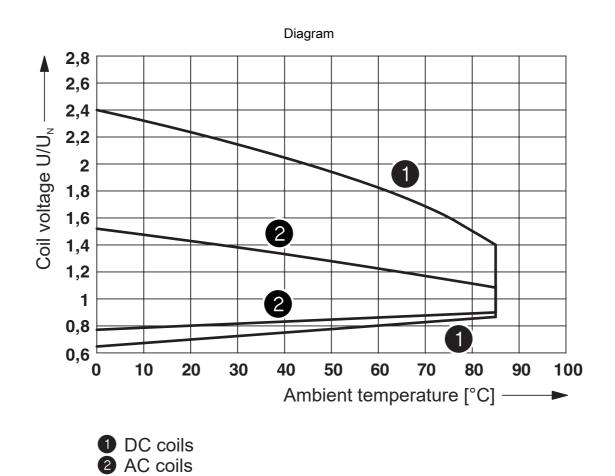






2961338

https://www.phoenixcontact.com/gb/products/2961338



Operating voltage range



2961338

https://www.phoenixcontact.com/gb/products/2961338

## Approvals

🌣 To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/2961338

<b>.R</b> .	CUL Recognized Approval ID: FILE E 228652
<b>F/</b>	UL Recognized Approval ID: FILE E 228652
EAC	EAC Approval ID: TR_TS_D_00573_c
	UL Recognized
91	Approval ID: FILE E 228652
EAC	EAC
LIIL	Approval ID: RU*C-DE.*08.B.00010
	VDE Zeichengenehmigung Approval ID: 40007758
17%	CUL Recognized Approval ID: FILE E 228652



https://www.phoenixcontact.com/gb/products/2961338



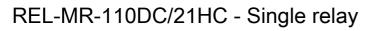
## Classifications

## ECLASS

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

## ETIM

	ETIM 9.0	EC001437			
UNSPSC					
	UNSPSC 21.0	39122300			



2961338

https://www.phoenixcontact.com/gb/products/2961338

# 

## Environmental product compliance

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

2961338

https://www.phoenixcontact.com/gb/products/2961338



## Mandatory accessories

PLC-BPT-120UC/21HC - Relay base

2900258 https://www.phoenixcontact.com/gb/products/2900258



14 mm PLC basic terminal block for high continuous currents with Push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 120 V AC/DC

## PLC-BSC-120UC/21HC - Relay base

2967811 https://www.phoenixcontact.com/gb/products/2967811



14 mm PLC basic terminal block for high continuous currents with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 120 V AC/DC

#### 2961338

https://www.phoenixcontact.com/gb/products/2961338



## PLC-BPT-230UC/21HC - Relay base

### 2900259

https://www.phoenixcontact.com/gb/products/2900259



14 mm PLC basic terminal block for high continuous currents with Push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 230 V AC/DC

## PLC-BSC-230UC/21HC - Relay base

## 2967824 https://www.phoenixcontact.com/gb/products/2967824



14 mm PLC basic terminal block for high continuous currents with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 230 V AC/DC

#### 2961338

https://www.phoenixcontact.com/gb/products/2961338



## PLC-BSC-120UC/21HC/SO46 - Relay base

2980432

https://www.phoenixcontact.com/gb/products/2980432



14 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, for high continuous currents, 1 changeover contact, input voltage 120 V AC

## PLC-BSC-230UC/21HC/SO46 - Relay base

2980445

https://www.phoenixcontact.com/gb/products/2980445



14 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, for high continuous currents, 1 changeover contact, input voltage 230 V AC

#### 2961338

https://www.phoenixcontact.com/gb/products/2961338



## RIF-1-BPT/2X21 - Relay base

#### 2900931

https://www.phoenixcontact.com/gb/products/2900931



Relay base RIF-1..., for miniature power relay with 1 or 2 changeover contacts or solid-state relays of the same design, Push-in connection, plug-in option for input/interference suppression modules, for mounting on NS 35/7,5

## RIF-1-BSC/2X21 - Relay base

## 2900930 https://www.phoenixcontact.com/gb/products/2900930



RIF-1... relay base, for miniature power relay with 1 or 2 changeover contacts or identical solid-state relays, screw connection, plug-in option for input/interference suppression modules, for mounting on NS 35/7,5

Phoenix Contact 2024 © - all rights reserved https://www.phoenixcontact.com

PHOENIX CONTACT Ltd Halesfield 13, Telford Shropshire, TF7 4PG 01952 681700 info@phoenixcontact.co.uk