#### 2908894

https://www.phoenixcontact.com/us/products/2908894

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 high-power relay with power contacts, 3 N/O contacts, coil voltage: 48 V DC

### Commercial data

Item number	2908894
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C460
Product key	CK6193
GTIN	4055626353920
Weight per piece (including packing)	85.1 g
Weight per piece (excluding packing)	85.1 g
Customs tariff number	85364190
Country of origin	PL

PHŒNIX

2908894

https://www.phoenixcontact.com/us/products/2908894



### Technical data

#### Notes

General	The outputs are not suitable for switching different outer conductors.
General	Do not use to separate SELV / PELV circuits from other circuits, because safe isolation is not guaranteed.

#### Product properties

Product type	Single relay
Operating mode	100% operating factor
Mechanical service life	approx. 10 <sup>7</sup> cycles

Basic insulation

Insulation characteristics

Insulation

Insulation characteristics	
Insulation	Basic insulation
Overvoltage category	III
Pollution degree	3

#### **Electrical properties**

Service life electrical	see diagram
Maximum power dissipation for nominal condition	1.5 W
Test voltage (Winding/contact)	2.5 kV <sub>rms</sub> (50 Hz, 1 min., winding/contact)
Test voltage (Changeover contact/changeover contact)	2.5 kV <sub>rms</sub> (50 Hz, 1 min., changeover contact/changeover contact)
Rated insulation voltage	250 V AC
Rated surge voltage	4 kV

#### Input data

Coil side	
Nominal input voltage U <sub>N</sub>	48 V DC
Input voltage range	40.8 V DC 52.8 V DC (20 °C)
Drive and function	monostable
Drive (polarity)	non-polarized
Typical input current at U <sub>N</sub>	28 mA
Input power dissipation for ${\rm U}_{\rm N}$	1.32 W
Typical response time	20 ms
Typical release time	15 ms
Coil resistance	1750 Ω ±10 %

#### Output data

Switching



#### 2908894

https://www.phoenixcontact.com/us/products/2908894

Contact switching type	3 changeover contacts
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	440 V AC
	250 V DC
Minimum switching voltage	10 V (At 24 mA)
Limiting continuous current	16 A
Maximum inrush current	50 A (20 ms, N/O contacts)
Min. switching current	10 mA (at 24 V)
Interrupting rating (ohmic load) max.	384 W (at 24 V DC)
	124 W (at 48 V DC)
	108 W (at 60 V DC)
	52 W (at 110 V DC)
	70 W (at 220 V DC)
	4000 VA (for 250□V□AC)
	4000 VA (at 440 V AC)
3-phase motor load	1500 W (at 400 V, AC3)
Motor load according to UL 508	1/3 HP, 120 V AC (single-phase AC motor)
	1/2 HP, 240 V AC (single-phase AC motor)
	1/2 HP, 240 V AC (three-phase induction motor)

#### Connection data

Connection method	Plug-in connection
-------------------	--------------------

#### Dimensions

Width	38.6 mm
Height	36.1 mm
Depth	45.5 mm

#### Environmental and real-life conditions

Degree of protection	RT I
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-40 °C 70 °C
Ambient temperature (storage/transport)	-40 °C 85 °C
Altitude	≤ 2000 m

#### Approvals

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

### Standards and regulations

#### 2908894

https://www.phoenixcontact.com/us/products/2908894



		IEC 61810
Mounting		
	Mounting position	any



2908894

https://www.phoenixcontact.com/us/products/2908894



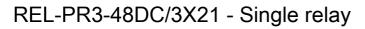
## Classifications

#### ECLASS

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

#### ETIM

	ETIM 9.0	EC001437			
UNSPSC					
	UNSPSC 21.0	39122300			



2908894

https://www.phoenixcontact.com/us/products/2908894



### Environmental product compliance

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

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

Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com