2947721

https://www.phoenixcontact.com/us/products/2947721

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.



Relay module, with soldered-in miniature switching relay, contact (AgNi+Au): small to large loads, 1 changeover contact, input voltage 24 V AC/DC

Your advantages

- · Safe isolation between coil and contact side
- · Integrated input circuit and interference suppression circuit

Commercial data

Item number	2947721
Packing unit	10 pc
Minimum order quantity	10 рс
Note	Made to order (non-returnable)
Sales key	C460
Product key	CK6141
Catalog page	Page 135 (IF-2011)
GTIN	4017918082840
Weight per piece (including packing)	62.56 g
Weight per piece (excluding packing)	62.36 g
Customs tariff number	85364190
Country of origin	DE

PHŒN

2947721

https://www.phoenixcontact.com/us/products/2947721



Technical data

Notes

EMC note	EMC: class A product, see manufacturer's declaration in the download area
uct properties	
Product type	Relay Module
Product family	EMG
Application	Universal
Operating mode	100% operating factor
Mechanical service life	approx. 3x 10 ⁷ cycles
ulation characteristics Insulation	Basic insulation
	Cofe isolation, reinforced insulation, and C IV/ between insult
	Safe isolation, reinforced insulation, and 6 kV between input circuit and output contact current paths
ulation characteristics	
	· · ·
	circuit and output contact current paths
Insulation	circuit and output contact current paths Basic insulation Safe isolation, reinforced insulation, and 6 kV between input
ulation characteristics Insulation Overvoltage category Pollution degree	circuit and output contact current paths Basic insulation Safe isolation, reinforced insulation, and 6 kV between input circuit and output contact current paths

Maximum power dissipation for nominal condition	0.43 W
Test voltage (Winding/contact)	5 kV _{rms} (50 Hz, 1 min., winding/contact)
Test voltage (Contact/contact)	1 kV AC (50 Hz, 1 min., contact/contact)
Rated insulation voltage	260 V AC

Input data

Coil side	
Nominal input voltage U _N	24 V AC/DC
Input voltage range	19.2 V AC/DC 26.4 V AC/DC (20 °C)
Drive and function	monostable
Drive (polarity)	polarized
Typical input current at U _N	18 mA
Typical response time	8 ms
Typical release time	10 ms
Protective circuit	Bridge rectifier; Bridge rectifier
Operating voltage display	Yellow LED

2947721

https://www.phoenixcontact.com/us/products/2947721

Output data

Contact switching type	1 changeover contact
Type of switch contact	Single contact
Contact material Maximum switching voltage	AgNi, hard gold-plated
	30 V AC
	36 V DC
Limiting continuous current	50 mA
Maximum inrush current	50 mA
Interrupting rating (ohmic load) max.	1.2 W (at 24 V DC)
itching: when the gold layer is destroyed Note	
	the following values are applicable if a gold
Note	the following values are applicable if a gold layer is destroyed
Note Maximum switching voltage	layer is destroyed
Note Maximum switching voltage Limiting continuous current	Iayer is destroyed 250 V AC/DC
Note Maximum switching voltage Limiting continuous current Maximum inrush current	Iayer is destroyed 250 V AC/DC 6 A
Note Maximum switching voltage Limiting continuous current Maximum inrush current	Iayer is destroyed 250 V AC/DC 6 A 8 A
Note Maximum switching voltage Limiting continuous current Maximum inrush current	Iayer is destroyed250 V AC/DC6 A8 A144 W (at 24 V DC)
Note Maximum switching voltage Limiting continuous current Maximum inrush current	Iayer is destroyed 250 V AC/DC 6 A 8 A 144 W (at 24 V DC) 58 W (at 48 V DC)
	Iayer is destroyed 250 V AC/DC 6 A A A 6 A A A

Connection data

Coil side		
Connection method	Screw connection	
Stripping length	8 mm	
Screw thread	M3	
Conductor cross section rigid	0.2 mm ² 4 mm ²	
Conductor cross section flexible	0.2 mm ² 2.5 mm ²	
Conductor cross section AWG	24 12	
Contact side		
Connection method	Screw connection	
Stripping length	8 mm	
Screw thread	M3	
Conductor cross section rigid	0.2 mm ² 4 mm ²	
Conductor cross section flexible	0.2 mm ² 2.5 mm ²	
Conductor cross section AWG	24 12	

Dimensions

Width 22.5 mm

PHŒNIX CONTACT

2947721

https://www.phoenixcontact.com/us/products/2947721

Height	75 mm	
Depth	62.5 mm	
Material specifications		
Color	green (RAL 6021)	
Environmental and real-life conditions Ambient conditions		
Degree of protection	IP20	
Ambient temperature (operation)	-20 °C 50 °C	
Ambient temperature (storage/transport)	-20 °C 70 °C	
Standards and regulations		
Standards/regulations	IEC 60664-1	
Mounting		
Mounting type	DIN rail mounting	
Assembly instructions	in rows with zero spacing	
Mounting position	any	

PHŒNIX CONTACT

2947721

https://www.phoenixcontact.com/us/products/2947721

DPHŒNIX CONTACT

Drawings



2947721

https://www.phoenixcontact.com/us/products/2947721

Approvals

🌣 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2947721



EAC Approval ID: RU*C-DE.*08.B.00010



2947721

https://www.phoenixcontact.com/us/products/2947721



Classifications

ECLASS

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

ETIM

	ETIM 9.0	EC001437
UN	UNSPSC	
	UNSPSC 21.0	39122300

2947721

https://www.phoenixcontact.com/us/products/2947721



Environmental product compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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