

https://www.phoenixcontact.com/us/products/2961105



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, 1 changeover contact, input voltage 24 V DC



Your advantages

- · 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

Commercial data

Item number	2961105
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	C460
Product key	DK6921
GTIN	4017918130893
Weight per piece (including packing)	6.73 g
Weight per piece (excluding packing)	5 g
Customs tariff number	85364190
Country of origin	CZ



https://www.phoenixcontact.com/us/products/2961105



Technical data

Product properties

Product type	Single relay
Operating mode	100% operating factor
Mechanical service life	2x 10 ⁷ cycles
Insulation characteristics	
Overvoltage category	III
Pollution degree	3
Data management status	
Date of last data management	05.09.2025

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	
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)	
18 W (at 60 V DC)	



https://www.phoenixcontact.com/us/products/2961105



	23 W (at 110 V DC)
	40 W (at 220 V DC)
	1500 VA (for 250 V AC)
Switching capacity	2 A (at 24 V, DC13)
	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	28
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

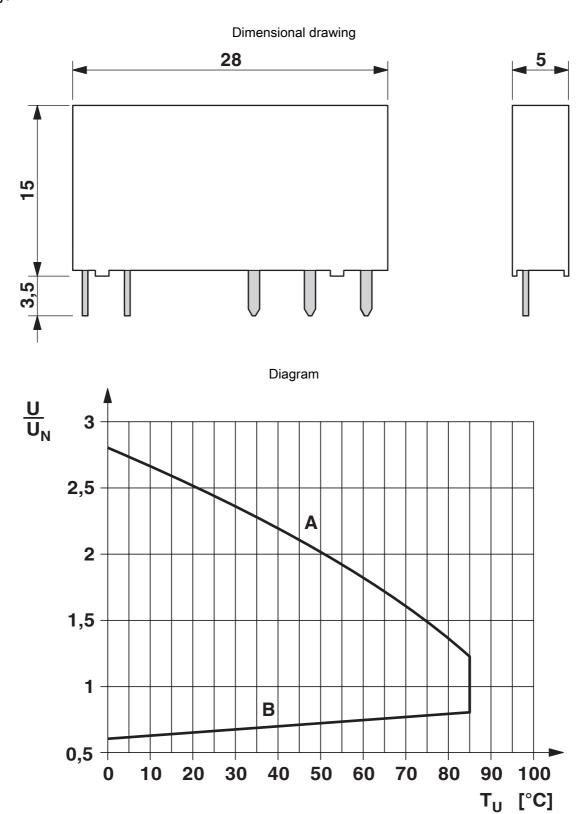
Assembly note	in rows with zero spacing
Mounting position	any



https://www.phoenixcontact.com/us/products/2961105



Drawings

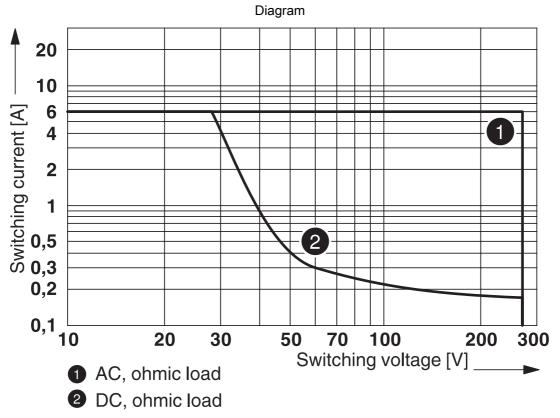


Operating voltage range



https://www.phoenixcontact.com/us/products/2961105



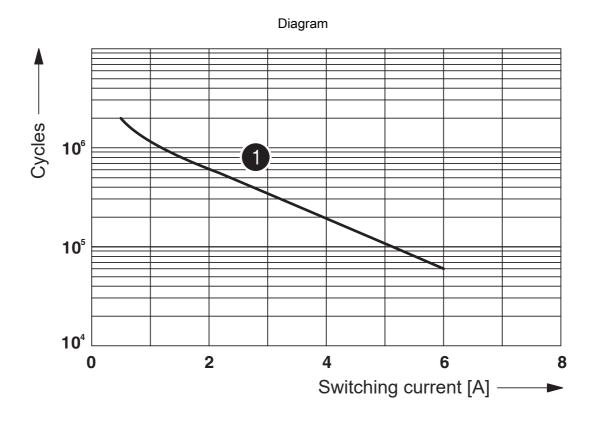


Interrupting rating



https://www.phoenixcontact.com/us/products/2961105





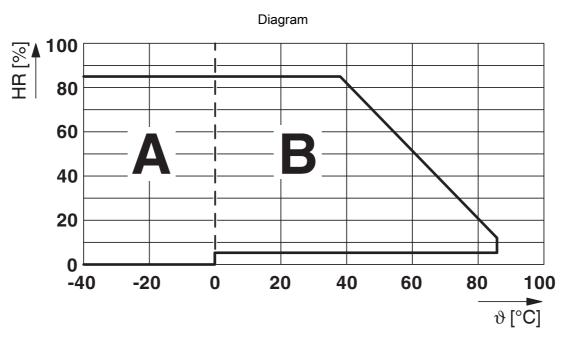
1 250 V AC, ohmic load

Electrical service life



https://www.phoenixcontact.com/us/products/2961105





Permissible humidity for operation and storage.

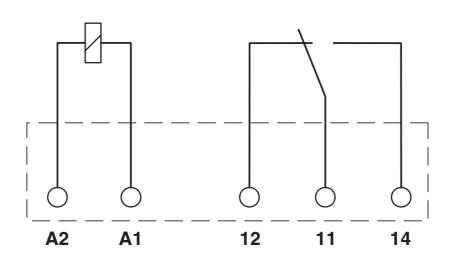
The maximum permissible ambient temperature as specified in the data sheet must be observed.

Area A: Ice buildup at ambient temperatures ≤ 0°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 \leq 25°C.

Circuit diagram

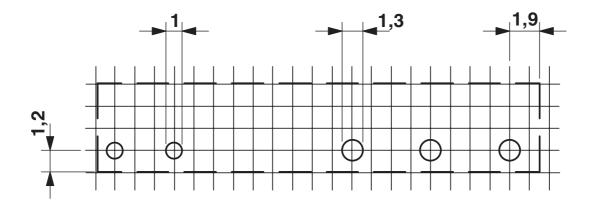


2961105

https://www.phoenixcontact.com/us/products/2961105



Drilling plan/solder pad geometry



a = pitch division 1.25 mm and 1.27 mm



2961105

https://www.phoenixcontact.com/us/products/2961105

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2961105



cUL Recognized

Approval ID: FILE E 172140



UL RecognizedApproval ID: FILE E 172140



EAC

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



UL Recognized

Approval ID: FILE E 172140



VDE approval of drawings

Approval ID: 40032864



VDE approval of drawings Approval ID: 40054426



cUL Recognized

Approval ID: FILE E 172140



VDE approval of drawings

Approval ID: 40010212



cUL Recognized

Approval ID: FILE E 172140



UL Recognized

Approval ID: FILE E 172140



https://www.phoenixcontact.com/us/products/2961105



Classifications

UNSPSC 21.0

ECLASS

	ECLASS-13.0	27371601	
	ECLASS-15.0	27371601	
ETIM			
	ETIM 9.0	EC001437	
UN	UNSPSC		

39122300



https://www.phoenixcontact.com/us/products/2961105



Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions		
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%		
EF3.0 Climate Change			

Phoenix Contact 2025 @ - 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