

2944203

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Power solid-state relay, with LED and protective circuit in input and output circuits, input: 5 V DC, output: 5 - 36 V DC/ max. 1 A

Commercial data

Item number	2944203
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	C460
Product key	DK61C1
GTIN	4017918081508
Weight per piece (including packing)	37.78 g
Weight per piece (excluding packing)	39.46 g
Customs tariff number	85364190
Country of origin	DE



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Technical data

Notes

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EMC note	EMC: class A product, see manufacturer's declaration in the
	download area

Product properties

Application Output function Operating mode 100% operating factor	Product type	Solid-state relay module
Operating mode 100% operating factor	Application	Output function
	Operating mode	100% operating factor

Insulation characteristics

Insulation	Basic insulation
Data management status	
Date of last data management	15.09.2025

Electrical properties

Test voltage (Input/output)	3.5 kV AC (Input/output)
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Input data

Nominal input voltage U _N	5 V DC
Input voltage range in reference to $\mathbf{U}_{\mathbf{N}}$	0.9 1.1
Input voltage range	4.5 V DC 5.5 V DC
Switching threshold "0" signal in reference to U_N	≤ 0.6
Switching threshold "1" signal in reference to U_N	≥ 0.9
Typical input current at U _N	4.2 mA
Typical response time	0.1 ms
Typical turn-off time	0.2 ms
Status display	LED (yellow)
Protective circuit	Reverse polarity protection; Polarity protection diode
Transmission frequency	500 Hz

Output data

Contact switching type	1 N/O contact
Design of digital output	electronic
Output nominal voltage	24 V DC
Output voltage range	5 V DC 36 V DC
Limiting continuous current	1 A (see derating curve)
Surge current	2 A (t = 1 s)
Peak offstate voltage	45 V DC (Collector-emitter reverse voltage)
Voltage drop at max. limiting continuous current	≤ 1 V
Output circuit	2-conductor, floating



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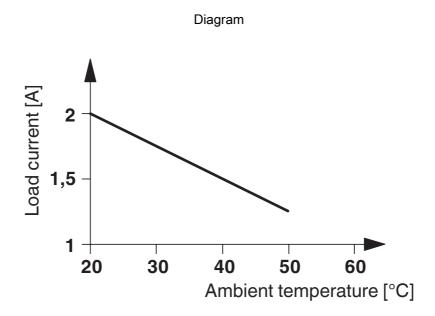
Protective circuit	Reverse polarity protection; Polarity protection diode
Connection data	
landa sida	
Input side Connection method	Screw connection
	8 mm
Stripping length Screw thread	M3
Conductor cross-section rigid	0.2 mm ² 4 mm ²
Conductor cross-section rigid Conductor cross-section flexible	0.2 mm² 2.5 mm²
Conductor cross-section AWG	24 12
Conductor cross-section Avvo	24 12
Output side	
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross-section rigid	0.2 mm² 4 mm²
Conductor cross-section flexible	0.2 mm ² 2.5 mm ²
Conductor cross-section AWG	24 12
vimensions	
Width	10 mm
Height	75 mm
Depth	102 mm
laterial specifications	
Color	green (RAL 6021)
Flammability rating according to UL 94	V0
nvironmental 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
tandards and regulations	
Standards/regulations	IEC 60664
·	EN 50178
lounting	
Mounting type	DIN rail mounting
Mounting type Assembly note	DIN rail mounting in rows with zero spacing



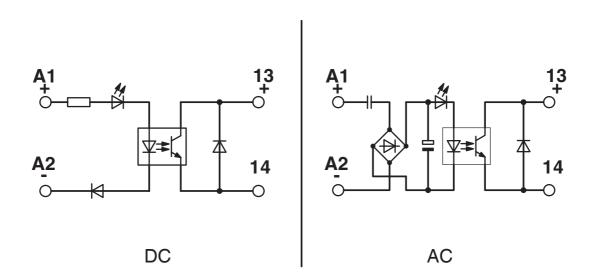
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Drawings



Circuit diagram





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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2944203



EAC

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



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Classifications

ECLASS

	ECLASS-13.0	27371604
	ECLASS-15.0	27371604
E	TIM	
	ETIM 9.0	EC001504
1 11	NSPSC	
UI	NOFOC	
	UNSPSC 21.0	39122300



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Environmental product compliance

EU RoHS

Yes
6(c), 7(a)
EFUP-50
An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
Hexahydromethylphthalic anhydride(CAS: n/a)
Lead(CAS: 7439-92-1)
99923bb1-7eb7-4979-88fc-7e32245ed2b6

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