

2900385

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PLC-INTERFACE, integrated solid-state relay, with push-in connection, for mounting on NS 35/7,5 DIN rails, input: 110 V DC, output: 12 - 300 V DC/1 A

Your advantages

- · Wear-free switching with no contact bounce
- · Resistant to vibrations and shocks
- · Protective circuit in input and output
- · Status indicator
- DC voltage outputs up to 300 V DC/1 A
- · Option of bridging adjacent modules

Commercial data

Item number	2900385
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	C461
Product key	CK62A3
Catalog page	Page 408 (C-5-2019)
GTIN	4046356506892
Weight per piece (including packing)	31.55 g
Weight per piece (excluding packing)	31.55 g
Customs tariff number	85364900
Country of origin	DE



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Technical data

Product properties

Product type	Solid-state relay module
Product family	PLC-INTERFACE
Application	With integrated solid-state relay
Operating mode	100% operating factor
Data management status	
Date of last data management	16.09.2024
Article revision	07
nsulation characteristics: Standards/regulations	
Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2
ectrical properties	
Maximum power dissipation for nominal condition	0.55 W

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Maximum power dissipation for nominal condition	0.55 W
Standards/regulations	
Rated insulation voltage	300 V
Rated surge voltage	2.5 kV

Input data

Protective circuit	Reverse polarity protection; Polarity protection diode
Operating voltage display	Yellow LED
Typical turn-off time	0.7 ms
Typical response time	0.4 ms
Typical input current at U _N	5 mA
Switching threshold "1" signal in reference to \boldsymbol{U}_{N}	≥ 0.8
Switching threshold "0" signal in reference to \boldsymbol{U}_{N}	≤ 0.4
Input voltage range	88 V DC 132 V DC
Input voltage range in reference to $\mathbf{U}_{\mathbf{N}}$	0.8 1.2
Nominal input voltage U _N	110 V DC

Output data

Designation	Output data
Contact switching type	1 N/O contact
Design of digital output	electronic
Output voltage range	12 V DC 300 V DC (Partition plate PLC-ATP must be installed for voltages larger than 250 V (L1, L2, L3) between identical terminal points in adjacent modules. Potential bridging is then carried out with FBST 8-PLC orFBST 500)



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Limiting continuous current	1 A (see derating curve)
Voltage drop at max. limiting continuous current	< 500 mV
Protective circuit	Reverse polarity protection; Polarity protection diode
	Surge protection; Varistor
nection data	
Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section rigid	0.14 mm² 2.5 mm²
Conductor cross section flexible	0.14 mm² 2.5 mm²
	0.2 mm ² 2.5 mm ² (Single ferrule)
	2x 0.5 mm ² 1 mm ² (TWIN ferrule)
Conductor cross section AWG	26 14
ensions	
Width	6.2 mm
Height	80 mm
Depth	94 mm
terial specifications	
Color	gray (RAL 7042)
Flammability rating according to UL 94	V0 (Housing)
mbient conditions	
Ambient temperature (operation)	-25 °C 60 °C
Ambient temperature (storage/transport)	-40 °C 85 °C
provals	
E	
Certificate	CE-compliant
KCA	
Certificate	UKCA-compliant
nipbuilding approval	
Certificate	TAE0000196
orrosive gas test	
Identification	ISA-S71.04. G3 Harsh Group
	EN 60068-2-60
NV GL data	
	D
Temperature Humidity	D A



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Mounting position

Vibration	B/C
EMC	В
Enclosure	Required protection according to the Rules shall be provided upon installation on board
EMC data	
Electromagnetic compatibility	Conformance with EMC directive
Low Voltage Directive	Conformance with Low Voltage Directive
Standards and regulations Standards/regulations	
Standards/regulations	IEC 60947-5-1
Mounting	
Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing

any

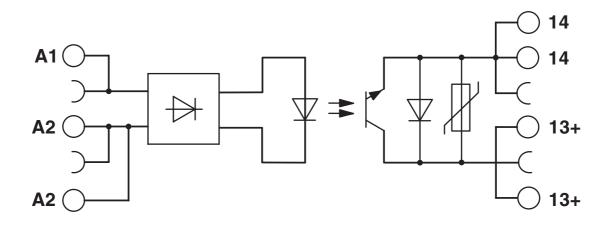


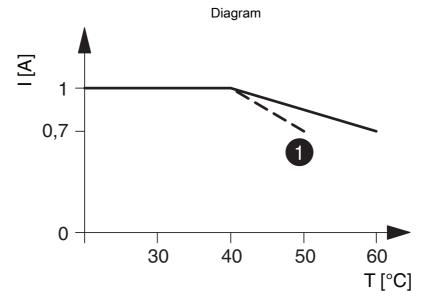
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Drawings

Circuit diagram





1 Input voltages 220 V DC/230 V AC

The figure shows the derating curve for PLC-...300DC/1



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2900385



cUL RecognizedApproval ID: E238705



UL RecognizedApproval ID: E238705



EAC

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



DNV GL

Approval ID: TAE0000196



UL Listed

Approval ID: FILE E 172140



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Classifications

ECLASS

	ECLASS-11.0	27371604
	ECLASS-12.0	27371604
	ECLASS-13.0	27371604
ETIM		
	ETIM 9.0	EC001504
UN	NSPSC	
	UNSPSC 21.0	39122300



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-l
China RoHS	
Environment friendly use period (EFUP)	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.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	5ea22f83-7cfa-4dac-ae75-b71ae3449eef

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