

2900359

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PLC-INTERFACE for input functions, consisting of PLC-BPT.../SEN basic terminal block with push-in connection and plug-in miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 120 V AC/110 V DC, output: 3 - 48 V DC/100 mA

Your advantages

- · Efficient connection to system cabling using V8 adapter
- Time savings of up to 60 %
- · No need for additional modular terminal blocks
- Relay modules with safe isolation according to DIN EN 50178 between coil and contact
- Space savings of up to 80 %
- · Sensor connected directly to relay module
- · Functional plug-in bridges

Commercial data

Item number	2900359
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	C461
Product key	CK62A3
Catalog page	Page 381 (C-5-2019)
GTIN	4046356506854
Weight per piece (including packing)	34.57 g
Weight per piece (excluding packing)	33.57 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	Input function
Operating mode	100% operating factor
Data management status	
Date of last data management	07.05.2024
Article revision	05
Insulation characteristics: Standards/regulations	
Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

Electrical properties

Maximum power dissipation for nominal condition	0.42 W
Test voltage (Input/output)	2.5 kV (50 Hz, 1 min., input/output)

Input data

Nominal input voltage U_N	120 V AC
	110 V DC
Nominal voltage (plugged-in solid-state relay)	60 V DC
Input voltage range in reference to U _N	0.8 1.1
Input voltage range	96 V AC 132 V AC
	99 V DC 132 V DC
Switching threshold "0" signal in reference to U_N	≤ 0.3
Switching threshold "1" signal in reference to $\mathbf{U}_{\mathbf{N}}$	≥ 0.8
Typical input current at U _N	3.5 mA
Typical response time	6 ms (at U _N)
Typical turn-off time	10 ms (at U _N)
Operating voltage display	Yellow LED
Protective circuit	Bridge rectifier; Bridge rectifier
Transmission frequency	10 Hz

Output data

Contact switching type	1 N/O contact
Design of digital output	electronic
Output voltage range	3 V DC 48 V DC
Limiting continuous current	100 mA
Voltage drop at max. limiting continuous current	≤ 1 V
Output circuit	2-conductor, floating



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	Develope malarity masterations Delarity masteration display	
Protective circuit	Reverse polarity protection; Polarity protection diode	
	Surge protection	
onnection 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 mm² 2.5 mm² (Single ferrule)	
	2x 0.5 mm² 1 mm² (TWIN ferrule)	
Conductor cross section AWG	26 14	
imensions		
Width	6.2 mm	
Height	80 mm	
Depth	94 mm	
aterial specifications		
Color	gray (RAL 7042)	
Plammability rating according to UL 94 nvironmental and real-life conditions Ambient conditions	V0 (Housing)	
nvironmental and real-life conditions	V0 (Housing) -25 °C 60 °C -25 °C 70 °C	
nvironmental and real-life conditions Ambient conditions Ambient temperature (operation)	-25 °C 60 °C	
Ambient conditions Ambient temperature (operation) Ambient temperature (storage/transport) pprovals	-25 °C 60 °C	
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Ambient conditions Ambient temperature (operation) Ambient temperature (storage/transport) pprovals CE Certificate UKCA Certificate	-25 °C 60 °C -25 °C 70 °C	
Ambient conditions Ambient temperature (operation) Ambient temperature (storage/transport) pprovals CE Certificate UKCA Certificate Shipbuilding approval	-25 °C 60 °C -25 °C 70 °C CE-compliant UKCA-compliant	
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Ambient conditions Ambient temperature (operation) Ambient temperature (storage/transport) pprovals CE Certificate UKCA Certificate Shipbuilding approval Certificate Corrosive gas test	-25 °C 60 °C -25 °C 70 °C CE-compliant UKCA-compliant TAE0000196	
Ambient conditions Ambient temperature (operation) Ambient temperature (storage/transport) pprovals CE Certificate UKCA Certificate Shipbuilding approval Certificate Corrosive gas test	-25 °C 60 °C -25 °C 70 °C CE-compliant UKCA-compliant TAE0000196 ISA-S71.04. G3 Harsh Group	
Ambient conditions Ambient temperature (operation) Ambient temperature (storage/transport) pprovals CE Certificate UKCA Certificate Shipbuilding approval Certificate Corrosive gas test Identification	-25 °C 60 °C -25 °C 70 °C CE-compliant UKCA-compliant TAE0000196 ISA-S71.04. G3 Harsh Group	
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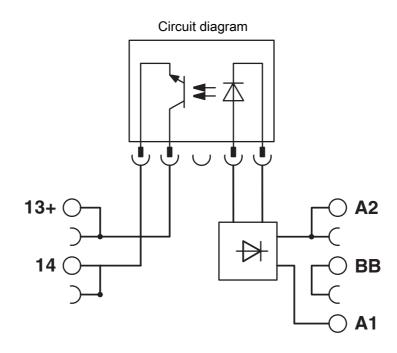
Enclosure	Required protection according to the Rules shall be provided upon installation on board
EMC data	
Low Voltage Directive	Conformance with Low Voltage Directive
Electromagnetic compatibility	Conformance with EMC directive
Standards and regulations Standards/regulations	
Standards/regulations	IEC 60947-5-1
Mounting	
Mounting Mounting type	DIN rail mounting
•	DIN rail mounting ()
Mounting type	



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Drawings





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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2900359



cUL RecognizedApproval ID: E238705



UL RecognizedApproval ID: E238705



EAC

Approval ID: TR_TS_D_00573_c



DNV GL

Approval ID: TAE0000196



EAC

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



UL Listed

Approval ID: FILE E 172140



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Approval ID: FILE E 172140



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Approval ID: E140324

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Classifications

UNSPSC 21.0

ECLASS

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	ECLASS-11.0	27371604	
	ECLASS-12.0	27371604	
	ECLASS-13.0	27371604	
ΕT	ETIM		
	ETIM 9.0	EC001504	
UNSPSC			

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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.)	Hexahydromethylphthalic anhydride(CAS: n/a)
	Lead(CAS: 7439-92-1)
SCIP	eb98382f-9739-4740-aa9b-3e85f27d41ed

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