

2909520

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PLC-INTERFACE, consisting of DIN-rail-mountable basic terminal block in 14 mm with screw connection and plug-in relay with 10 A power contact, 1 changeover contact, 120 V AC/110 V DC input voltage. Approved according to ATEX/IECEx (Zone 2) and Ex Zone Class I, Div. 2.

Commercial data

Item number	2909520
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	C461
Product key	CK621A
Catalog page	Page 387 (C-5-2019)
GTIN	4055626363486
Weight per piece (including packing)	78.6 g
Weight per piece (excluding packing)	70.63 g
Customs tariff number	85364900
Country of origin	DE



2909520

https://www.phoenixcontact.com/us/products/2909520

Technical data

Notes

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

Product properties

Product type	Relay Module
Product family	PLC-INTERFACE
Application	High continuous currents
	potentially explosive areas
Operating mode	100% operating factor
Mechanical service life	3x 10 ⁷ cycles

Insulation characteristics

Insulation	Safe isolation, reinforced insulation
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Insulation characteristics: Standards/regulations

Insulation	Safe isolation, reinforced insulation
Overvoltage category	III
Pollution degree	3

Electrical properties

Maximum power dissipation for nominal condition	0.54 W
Test voltage (Winding/contact)	4 kV AC (50 Hz, 1 min., winding/contact)
Standards/regulations	
Rated insulation voltage	250 V AC
Rated surge voltage	6 kV

Input data

Coil side

Nominal input voltage U _N	120 V AC
	110 V DC
Input voltage range	102 V AC 168 V AC (20 °C)
	85.8 V DC 154 V DC (20 °C)
Drive and function	monostable
Drive (polarity)	polarized
Typical input current at U _N	4.5 mA
Typical response time	7 ms
Typical release time	10 ms
Protective circuit	Bridge rectifier; Bridge rectifier
Operating voltage display	Yellow LED



2909520

https://www.phoenixcontact.com/us/products/2909520

Output data

Switching

Contact switching type	1 changeover contact
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC (The separating plate PLC-ATP should be installed for voltages larger than 250 V (L1, L2, L3) between identical terminal blocks in adjacent modules. Potential bridging is then carried out with FBST 8-PLC orFBST 500)
Minimum switching voltage	12 V AC/DC (10 mA)
Limiting continuous current	10 A
	6 A (value applies to connections 12. If connections 12 are bridged, the normal value applies.)
Maximum inrush current	30 A (300 ms)
Min. switching current	10 mA (12 V)
Interrupting rating (ohmic load) max.	240 W (at 24 V DC)
	58 W (at 48 V DC)
	48 W (at 60 V DC)
	50 W (at 110 V DC)
	80 W (at 220 V DC)
	2500 VA (for 250□V□AC)
Interrupting rating (ohmic load) max. bridged	144 W (for 24 V DC. Value applies to connections 12. If connections 12 are bridged, the normal value applies.)
	1500 VA (for 250 V AC. Value applies to connections 12. If connections 12 are bridged, the normal value applies.)
Switching capacity	2 A (at 24 V, DC13)
	0.2 A (at 110 V, DC13)
	0.2 A (at 250 V, DC13)
	6 A (at 24 V, AC15)
	6 A (at 120 V, AC15)
	6 A (at 250 V, AC15)

Connection data

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
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 1.5 mm ² (TWIN ferrule)
Conductor cross section AWG	26 14
Tightening torque	0.6 Nm 0.8 Nm

Dimensions

Width	14 mm



2909520

https://www.phoenixcontact.com/us/products/2909520

Height	80 mm
Depth	94 mm
erial specifications	
Color	gray (RAL 7042)
Flammability rating according to UL 94	V0 (Housing)
vironmental and real-life conditions	
Ambient conditions	RT III (Relay)
Degree of protection (Relay) Degree of protection (Relay base)	IP20 (Relay base)
Ambient temperature (operation)	-20 °C 60 °C (UL)
Ambient temperature (operation)	-20 °C 60 °C (OL)
Ambient temperature (storage/transport)	-40 °C 85 °C
provals	
CE	
Certificate	CE-compliant
ATEX	
Identification	
Certificate	IBExU16ATEXB015 X
ECEx	
Identification	Ex ec nC IIC T4 Gc
Certificate	IECEx IBE 16.0029X
JKCA Ex (UKEX)	
Identification	
Certificate	PxCIF21UKEX2909514X
JL, USA	
Identification	Class I, Zone 2, AEx nA nC IIC T6
JL, USA/Canada	
Identification	Class I, Div. 2, Groups A, B, C, D
JL, Canada	
Identification	Class I, Zone 2, Ex nA nC IIC Gc T6 X
District the second	
Shipbuilding approval	TAF0000196
Certificate	TAE0000196
	TAE0000196 ISA-S71.04. G3 Harsh Group



2909520

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Temperature	D
Humidity	A
Vibration	B/C
EMC	В
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
	EN 60079-0
	EN 60079-7
	EN 60079-15

Mounting

Mounting type	DIN rail mounting
Assembly instructions	in rows with zero spacing
Mounting position	any



2909520

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Classifications

UNSPSC 21.0

ECLASS

ECLASS-11.0	27371601
ECLASS-12.0	27371601
ECLASS-13.0	27371601
ETIM	
ETIM 9.0	EC001437
UNSPSC	

39122300



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Environmental product compliance

REACh SVHC	Lead 7439-92-1
	Hexahydromethylphthalic anhydride
China RoHS	Environmentally Friendly Use Period = 50 years

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