

2900378

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PLC-INTERFACE with electronic changeover contact, consisting of PLC-BPT.../21 basic terminal block with Push-in connection and integrated miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input: 24 V DC, output: 3-48 V DC/500 mA

#### Your advantages

- · Wear-free switching with no contact bounce
- · Resistant to vibrations and shocks
- · Protective circuit in input and output
- · Option of bridging adjacent modules
- DC voltage outputs of up to 300 V DC/1 A or up to 24 V DC/10 A
- Electronic changeover contact output up to 48 V DC/500 mA
- · Status indicator

#### Commercial data

Item number	2900378
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	C461
Product key	CK6233
Catalog page	Page 409 (C-5-2019)
GTIN	4046356506977
Weight per piece (including packing)	28.89 g
Weight per piece (excluding packing)	29.46 g
Customs tariff number	85364190
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
Insulation characteristics	
Insulation	Basic insulation
Insulation characteristics: Standards/regulations	
Insulation	Basic insulation
Overvoltage category	III
o rolling outlings.	

#### Electrical properties

Maximum power dissipation for nominal condition	0.07 W
Standards/regulations	
Rated insulation voltage	300 V
Rated surge voltage	4 kV

#### Input data

Transmission frequency	1000 Hz
	Surge protection
Protective circuit	Reverse polarity protection; Polarity protection diode
Operating voltage display	Yellow LED
Typical turn-off time	0.15 ms
Typical response time	0.03 ms
Typical input current at U <sub>N</sub>	3 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	19.2 V DC 28.8 V DC
Input voltage range in reference to $\mathbf{U}_{\mathbf{N}}$	0.8 1.2
Nominal input voltage U <sub>N</sub>	24 V DC

#### Output data

Contact switching type	1 changeover contact
Design of digital output	electronic
Contact connection type	Power contact
Output voltage range	3 V DC 48 V DC
Limiting continuous current	500 mA (see derating curve)
Min. load current	1 mA
Voltage drop at max. limiting continuous current	< 1.2 V



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Mounting

Mounting type

Assembly instructions

Mounting position

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Output circuit  Protective circuit	2-conductor, floating
	Reverse polarity protection; Polarity protection diode
	Surge protection
ection 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 <sup>2</sup> 2.5 mm <sup>2</sup> (Single ferrule)
	2x 0.5 mm <sup>2</sup> 1 mm <sup>2</sup> (TWIN ferrule)
Conductor cross section AWG	26 14
nsions	
Vidth	6.2 mm
Height	80 mm
Depth	95 mm
rial specifications	
Color	gray (RAL 7042)
Flammability rating according to UL 94	V0 (Housing)
onmental and real-life conditions	
bient conditions	
Sicht Conditions	
Ambient temperature (operation)	-25 °C 60 °C
Ambient temperature (operation)	-25 °C 60 °C -40 °C 85 °C
Ambient temperature (operation) Ambient temperature (storage/transport)	-25 °C 60 °C -40 °C 85 °C
Ambient temperature (storage/transport)	
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Ambient temperature (storage/transport)  OVAIS  crosive gas test	-40 °C 85 °C
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Ambient temperature (storage/transport)  Dovals  Trosive gas test  dentification  dards and regulations	-40 °C 85 °C  ISA-S71.04. G3 Harsh Group

DIN rail mounting

in rows with zero spacing



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### Classifications

UNSPSC 21.0

#### **ECLASS**

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

39122300



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### Environmental product compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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