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Solid-state relay module - PLC-PT-EIK 1-SVN 24M - 2900362

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PLC-INTERFACE for NAMUR applications, consisting of PLC-BPT.../21 basic terminal block with push-in connection and integrated circuit, for mounting on DIN rail NS 35/7,5, negative switching, 1 N/O contact, input voltage 24 V DC

The figure shows a version with a screw connection

Product Features

- Connection option for PLC-V8 adapter
- Stabilized supply voltage for the NAMUR proximity switch
- 24 V/50 mA digital output for directly connecting programmable logic controllers

Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	1.0 GRM
Custom tariff number	85369010
Country of origin	Germany

Technical data

Note

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

Dimensions

Width	6.2 mm
Height	80 mm
Depth	86 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 50 °C

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Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 85 °C
Degree of protection	IP20

Input data

Designation	Device supply
Nominal input voltage U_N	24 V DC ±20 %
Input voltage range in reference to U_N	0.8 ... 1.1
Typical input current at U_N	approx. 14 mA
Max. current consumption	approx. 70 mA (at 50 mA output current)
Operating voltage display	Green LED
Type of protection	Protection against polarity reversal
	Surge protection
Protective circuit/component	Polarity protection diode
	Suppressor diode
Designation	Control circuit
Nominal input voltage U_N	8.2 V DC ±10 %
Type of protection	Surge protection
Protective circuit/component	Suppressor diode
Non-load voltage	8.2 V DC ±10 %
Switching point	$\geq$ 2.1 mA (In conductive state)
	$\leq$ 1.2 mA (In blocking state)
	6.3 mA ... 10 mA (in the event of a short-circuit)
	0 mA ... 0.35 mA (In the event of a wire break)
Switching hysteresis	approx. 0.2 mA
Internal resistance	approx. 1000 Ω
Cable length	< 30 m

Output data

Designation	Signal output
Output voltage range	3 V DC ... 33 V DC
Limiting continuous current	50 mA
Transmission frequency	approx. 350 Hz
Voltage drop at max. limiting continuous current	< 1.5 V
Status display	Green LED
Indication	Red LED
Type of protection	Surge protection
Protective circuit/component	Suppressor diode
Designation	Alarm output

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Output data

Output nominal voltage	30 V DC
Output voltage range	3 V DC ... 33 V DC
Limiting continuous current	100 mA
Voltage drop at max. limiting continuous current	< 1.5 V
Indication	Red LED
Type of protection	Surge protection
Protective circuit/component	Suppressor diode

Connection data

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section stranded min.	0.14 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	14

General

Mounting position	any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Inflammability class according to UL 94	V0
Designation	Air and creepage distances between the power circuits
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage / insulation	0.4 kV / Basic isolation
Rated insulation voltage	50 V DC
Pollution degree	2
Surge voltage category	I

Classifications

eCl@ss

eCl@ss 4.0	27371001
eCl@ss 4.1	27371001
eCl@ss 5.0	27371001

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Classifications

eCl@ss

eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27371001

ETIM

ETIM 4.0	EC000196
ETIM 5.0	EC000196

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542
UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39121542

Approvals

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UL Listed / cUL Listed / UL Recognized / cUL Recognized / cULus Recognized / cULus Listed
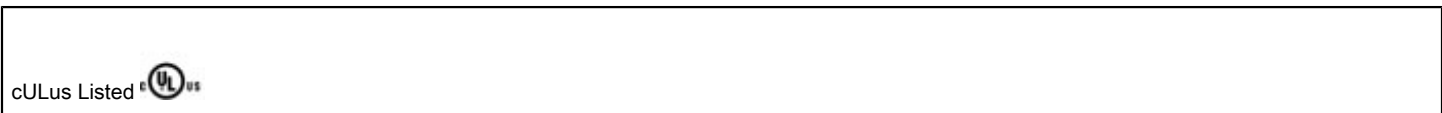

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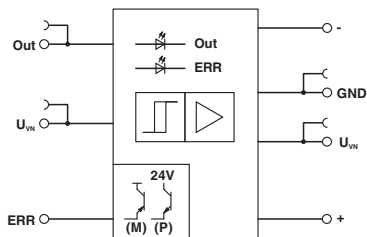

Approvals submitted

Approval details

UL Listed ⓊL

cUL Listed ᴱⓊL

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Approvals

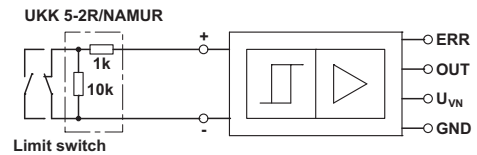UL Recognized

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Drawings

Circuit diagram

Application drawing

Application drawing

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