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Especialistas en Automatización

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## Solid-state relay module - PLC-OPT- 24DC/TTL - 2900363

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PLC-INTERFACE for TTL signal, consisting of PLC-O.../TTL basic terminal block with push-in connection and integrated solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 24 V DC, output: TTL (5 V DC)


The figure shows a version with a screw connection

### Why buy this product

- 6.2 mm narrow design width
- Resistant to vibrations and shocks
- Screw and spring-cage connection
- Switching power TTL (5 V), fan out = 1
- Status indicator
- Integrated protection circuit
- Bridging options



### Key Commercial Data

Packing unit	10 STK
GTIN	 4 046356 508995

### Technical data

#### Note

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

Width	6.2 mm
Height	80 mm
Depth	86 mm

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
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## Technical data

### Ambient conditions

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

### Input data

Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.8 ... 1.2
Switching threshold "0" signal in reference to $U_N$	< 0.4
Switching threshold "1" signal in reference to $U_N$	> 0.8
Typical input current at $U_N$	3.4 mA
Typical response time	35 $\mu$ s
Typical turn-off time	35 $\mu$ s
Operating voltage display	Yellow LED
Type of protection	Protection against polarity reversal
	Surge protection
Protective circuit/component	Parallel polarity protection diode
Surge voltage protection	> 33 V
Transmission frequency	1 kHz

### Output data

Designation	Output data
Output nominal voltage	5 V DC -10 % ... +20 %
Limiting continuous current	A TTL load (Fan out = 1)/50 mA for switching mode
Fan out	1
Surge voltage protection	> 8 V
Voltage drop at max. limiting continuous current	< 80 mV
Output circuit	3-conductor, ground-referenced
Type of protection	Protection against polarity reversal
	Surge protection
Protective circuit/component	Parallel polarity protection diode

### Connection data, input side

Connection name	Input side
Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section solid	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	26 ... 14

### Connection data, output side

Connection name	Output side
Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section solid	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

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## Technical data

### Connection data, output side

Conductor cross section flexible	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	26 ... 14

### General

Test voltage input/output	2.5 kV <sub>rms</sub> (50 Hz, 1 min.)
Mounting position	any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Flammability rating according to UL 94	V0
Designation	Air clearances and creepage distances between the power circuits
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage/insulation	4 kV / basic insulation
Rated insulation voltage	250 V DC
Degree of pollution	2
Overvoltage category	III

### Standards and Regulations

Connection in acc. with standard	CUL
Designation	Air clearances and creepage distances between the power circuits
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated insulation voltage	250 V DC
Rated surge voltage/insulation	4 kV / basic insulation
Degree of pollution	2
Overvoltage category	III
Flammability rating according to UL 94	V0

## Classifications

### eCl@ss

eCl@ss 4.0	27371001
eCl@ss 4.1	27371001
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27371604

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## Classifications

### ETIM

ETIM 4.0	EC000196
ETIM 5.0	EC001504

### UNSPSC

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

## Approvals

### Approvals

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#### Approvals

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

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

UL Listed
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cUL Listed
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UL Recognized
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cUL Recognized
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# Solid-state relay module - PLC-OPT- 24DC/TTL - 2900363

## Approvals

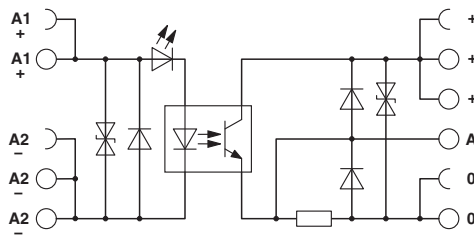
EAC

cULus Recognized

cULus Listed

## Drawings

Circuit diagram



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Product	Code	Reference	Product link
PLC solid-state relay with Push-in connection, for mounting on DIN rail NS 35/7.5, input: 24 V DC, output: TTL (5 V DC)	2900363	PLC-OPT-24DC/TTL	<a href="#">Buy on EAN</a>