

# PLC-SP-S/L - Switch

2980788

<https://www.phoenixcontact.com/us/products/2980788>



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PLC-RELAY with integrated switch (actuation: Screwdriver) with spring-cage connection, for mounting on DIN rail NS 35/7.5, input voltage  $\leq 72$  V DC

The figure shows a version with a screw connection

## Your advantages

- Just 6.2 mm wide
- Floating confirmation contact
- Screw- and Push-in connection

## Commercial data

Item number	2980788
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C461
Product key	DK622H
GTIN	4046356051514
Weight per piece (including packing)	26.94 g
Weight per piece (excluding packing)	25.1 g
Customs tariff number	85364900
Country of origin	DE

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## Technical data

### Product properties

Product type	Switch module
Product family	PLC-INTERFACE
Operating mode	100% operating factor

### Insulation characteristics

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

### Data management status

Date of last data management	15.09.2025
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### Electrical properties

Rated insulation voltage	85 V AC
Rated surge voltage	0.5 kV

### Output data

#### Switching

Maximum switching voltage	72 V DC
Minimum switching voltage	2 V DC
Maximum inrush current	50 mA
Min. switching current	1 mA
Switching cycles, max.	100 (At 72 V DC / 50 mA) 10000 (at 12 V DC / 100 mA)
Insulation resistance	100 MΩ

### Connection data

#### Input side

Connection method	Spring-cage connection
Stripping length	8 mm
Conductor cross-section rigid	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

#### Output side

Connection method	Spring-cage connection
Stripping length	8 mm
Conductor cross-section rigid	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

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## Dimensions

Width	6.2 mm
Height	80 mm
Depth	86 mm

## Material specifications

Color	green (RAL 6021)
Flammability rating according to UL 94 (Housing)	V0 (Housing)

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C

## Standards and regulations

Standards/regulations	IEC 60664
	EN 50178

## Mounting

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

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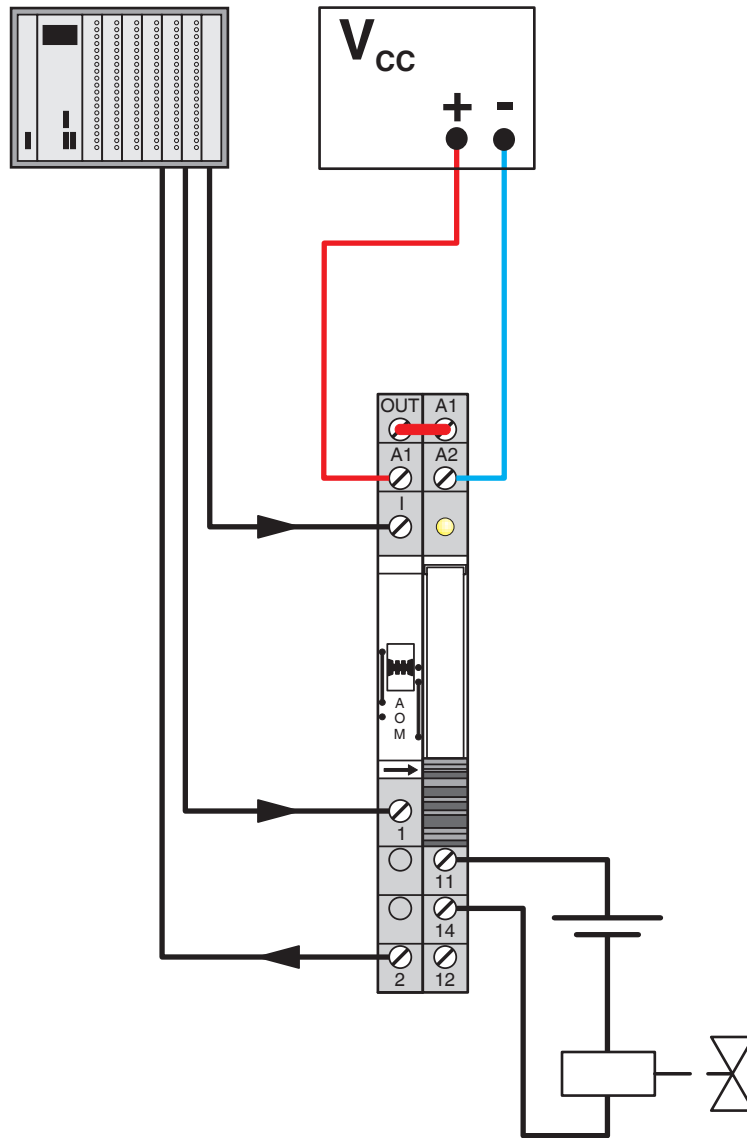
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## Drawings

Application drawing



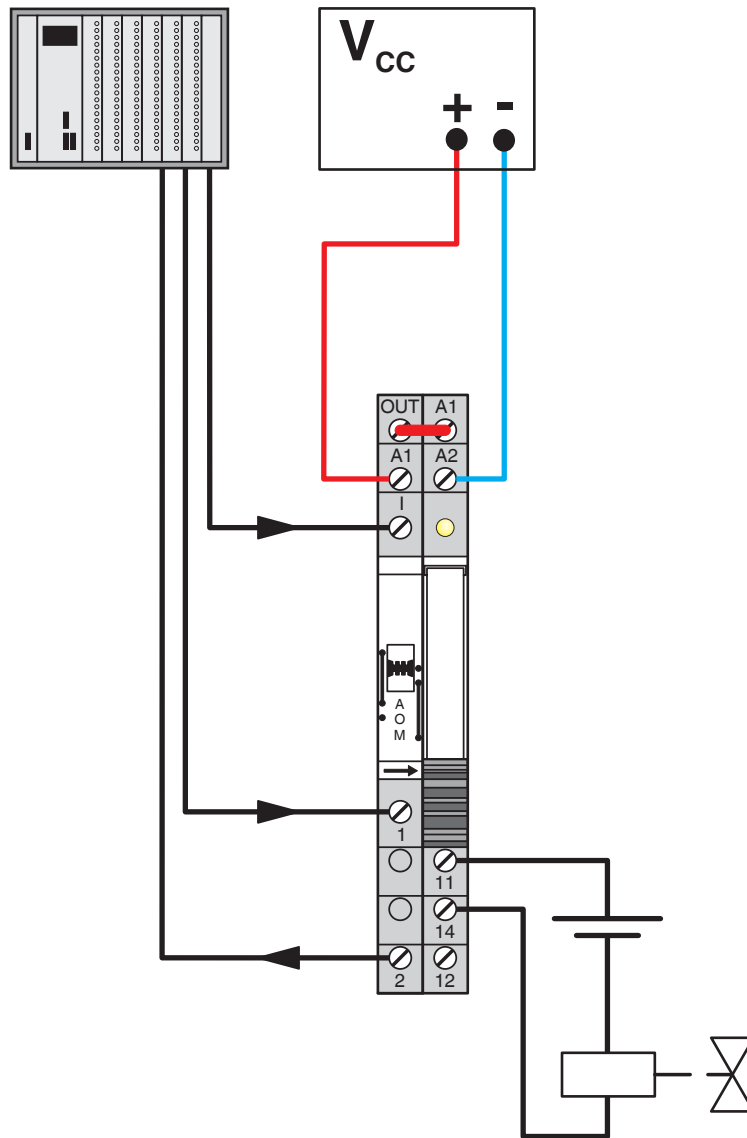
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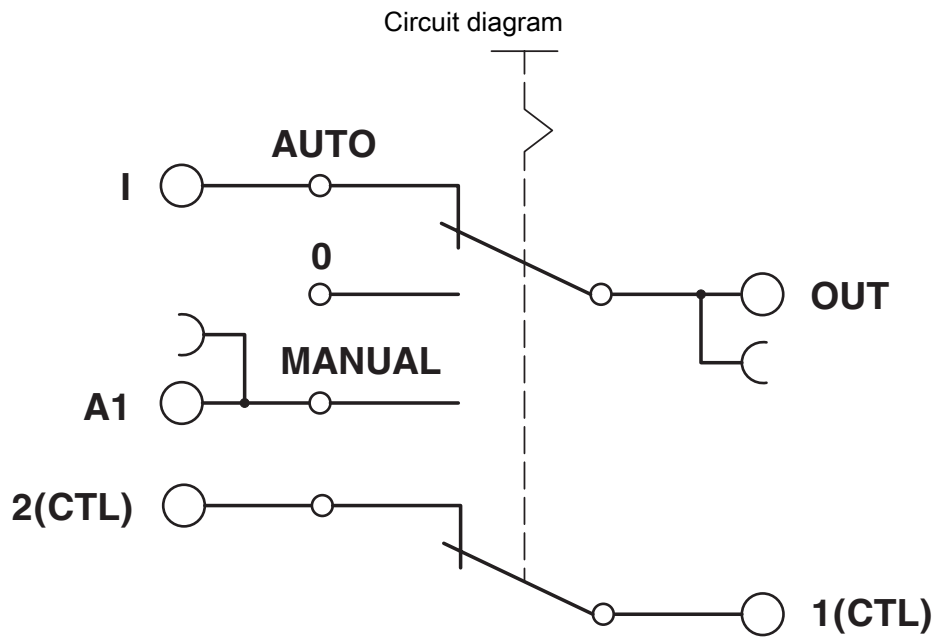
Application drawing



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## Environmental product compliance

### 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.)	No substance above 0.1 wt%
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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)