

# PLC-SC-S/H - Switch

2980733

<https://www.phoenixcontact.com/us/products/2980733>



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

## Your advantages

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

## Commercial data

Item number	2980733
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	C461
Product key	DK622E
GTIN	4046356051477
Weight per piece (including packing)	34.12 g
Weight per piece (excluding packing)	28.53 g
Customs tariff number	85364190
Country of origin	DE

## 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	01.04.2026
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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

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
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>
	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (Single ferrule)
	2x 0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (TWIN ferrule)
Conductor cross-section AWG	26 ... 14
Tightening torque	0.45 Nm ... 0.55 Nm (Usually these terminal blocks must be supported during conductor connection (held by one hand, supported on the housing))

### Dimensions

#### Item dimensions

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Width	6.2 mm
Height	80 mm
Depth	90 mm

## Material specifications

Flammability rating according to UL 94 (Housing)	V0 (Housing)
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## Environmental and real-life conditions

### Ambient conditions

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

## Approvals

### Corrosive gas test

Identification	ISA-S71.04. G3 Harsh Group
	EN 60068-2-60

## 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

# PLC-SC-S/H - Switch

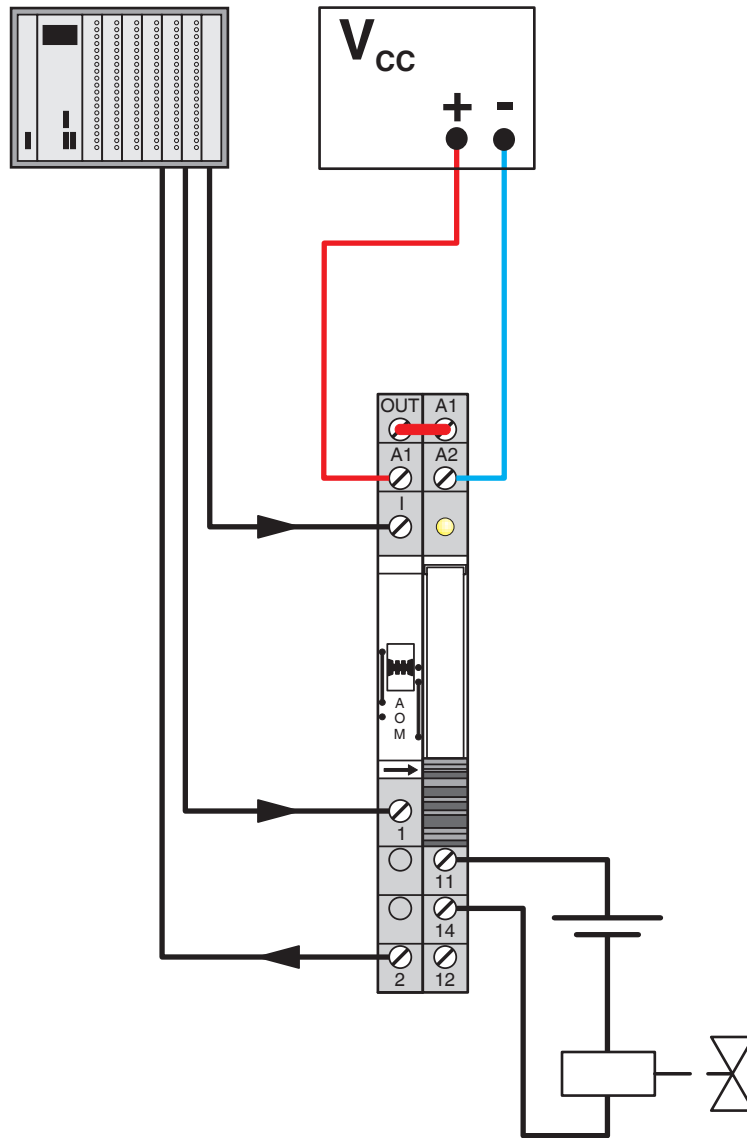
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## Drawings

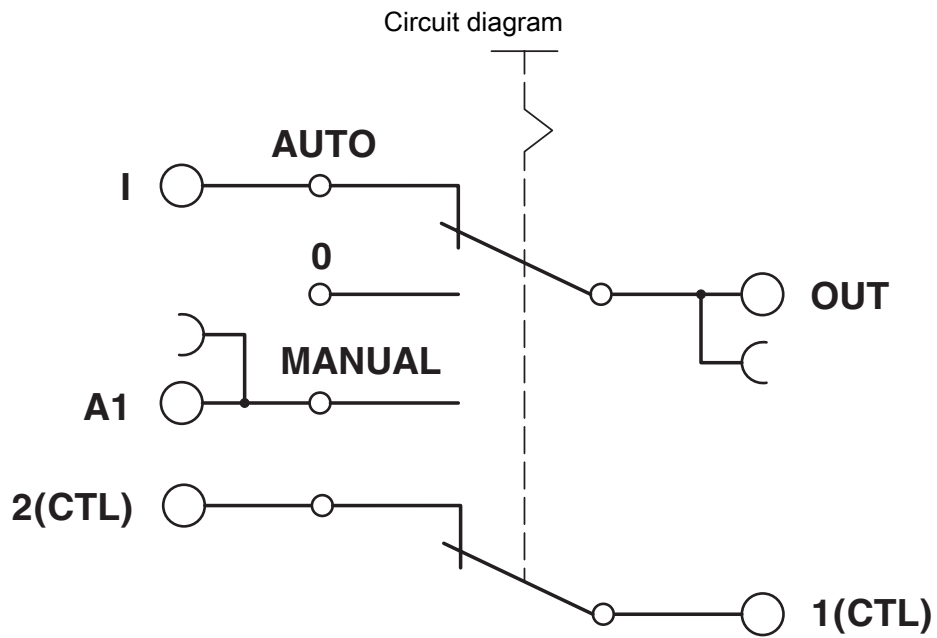
Application drawing



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2980733>



**cUL Recognized**  
Approval ID: E238705



**UL Recognized**  
Approval ID: E238705



**cULus Listed**  
Approval ID: E140324



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## Classifications

### ECLASS

ECLASS-13.0	27371692
ECLASS-15.0	27371692

### ETIM

ETIM 10.0	EC002586
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### UNSPSC

UNSPSC 21.0	39122300
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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