

PLC-RSC- 24UC/ 1/S/L - Switch



2834876

<https://www.phoenixcontact.com/us/products/2834876>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



PLC-INTERFACE with switch (operation using a screwdriver) for "Manual, Zero, and Automatic" functions, with screw connection and integrated power contact relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input voltage 24 V AC/DC

Your advantages

- Just 6.2 mm wide
- Safe isolation between coil and contact side
- Floating confirmation contact
- Max. switching current of 6 A
- Screw- and Push-in connection

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2834876 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C461 |
| Product key | DK621H |
| GTIN | 4046356167802 |
| Weight per piece (including packing) | 38.84 g |
| Weight per piece (excluding packing) | 38.16 g |
| Customs tariff number | 85364190 |
| Country of origin | DE |

PLC-RSC- 24UC/ 1/S/L - Switch



2834876

<https://www.phoenixcontact.com/us/products/2834876>

Technical data

Product properties

| | |
|----------------|-----------------------|
| Product type | Relay Module |
| Product family | PLC-INTERFACE |
| Application | Palm switch |
| Operating mode | 100% operating factor |

Insulation characteristics: Air clearances and creepage distances between the power circuits

| | |
|----------------------|-----|
| Overvoltage category | III |
| Pollution degree | 2 |

Data management status

| | |
|------------------------------|------------|
| Date of last data management | 12.09.2025 |
|------------------------------|------------|

Electrical properties

| | |
|---|--------|
| Maximum power dissipation for nominal condition | 0.26 W |
|---|--------|

Air clearances and creepage distances between the power circuits

| | |
|--------------------------|----------|
| Rated insulation voltage | 250 V AC |
| Rated surge voltage | 6 kV |

Input data

Coil side

| | |
|---|------------------------------------|
| Nominal input voltage U_N | 24 V AC/DC |
| Input voltage range | 18.5 V AC/DC ... 33.6 V AC/DC |
| Input voltage range in reference to U_N | see diagram |
| Drive and function | monostable |
| Typical input current at U_N | 11 mA |
| Typical response time | 6 ms |
| Typical release time | 15 ms |
| Protective circuit | Bridge rectifier; Bridge rectifier |
| Operating voltage display | Yellow LED |

Output data

Switching

| | |
|-----------------------------|---------------------------|
| Contact switching type | 1 N/O contact with switch |
| Type of switch contact | Single contact |
| Contact material | AgSnO |
| Maximum switching voltage | 250 V AC/DC |
| Minimum switching voltage | 5 V (at 100 mA) |
| Limiting continuous current | 6 A |
| Maximum inrush current | on request |
| Min. switching current | 10 mA (at 12 V) |

PLC-RSC- 24UC/ 1/S/L - Switch



2834876

<https://www.phoenixcontact.com/us/products/2834876>

| | |
|---------------------------------------|------------------------|
| Interrupting rating (ohmic load) max. | 140 W (at 24 V DC) |
| | 20 W (at 48 V DC) |
| | 18 W (at 60 V DC) |
| | 23 W (at 110 V DC) |
| | 40 W (at 220 V DC) |
| | 1500 VA (for 250 V AC) |

Connection data

| | |
|----------------------------------|---|
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Conductor cross-section rigid | 0.14 mm ² ... 2.5 mm ² |
| Conductor cross-section flexible | 0.14 mm ² ... 2.5 mm ² |
| | 0.2 mm ² ... 2.5 mm ² (Single ferrule) |
| | 2x 0.5 mm ² ... 1.5 mm ² (TWIN ferrule) |
| Conductor cross-section AWG | 26 ... 14 |
| Tightening torque | 0.6 Nm ... 0.8 Nm |

Dimensions

| | |
|--------|--------|
| Width | 6.2 mm |
| Height | 80 mm |
| Depth | 86 mm |

Material specifications

| | |
|--|--------------|
| Flammability rating according to UL 94 (Housing) | V0 (Housing) |
|--|--------------|

Environmental and real-life conditions

Ambient conditions

| | |
|---|-------------------|
| Degree of protection (Relay) | RT III (Relay) |
| Degree of protection (Relay base) | IP20 (Relay base) |
| Ambient temperature (operation) | -20 °C ... 60 °C |
| Ambient temperature (storage/transport) | -20 °C ... 85 °C |

Approvals

CE

| | |
|-------------|--------------|
| Certificate | CE-compliant |
|-------------|--------------|

UKCA

| | |
|-------------|----------------|
| Certificate | UKCA-compliant |
|-------------|----------------|

Shipbuilding approval

| | |
|-------------|------------|
| Certificate | TAE0000196 |
|-------------|------------|

Shipbuilding data

| | |
|-------------|---|
| Temperature | D |
|-------------|---|

PLC-RSC- 24UC/ 1/S/L - Switch



2834876

<https://www.phoenixcontact.com/us/products/2834876>

| | |
|-----------|---|
| Humidity | A |
| Vibration | B/C |
| EMC | B |
| Enclosure | Required protection according to the Rules shall be provided upon installation on board |

EMC data

| | |
|-------------------------------|--|
| Electromagnetic compatibility | Conformance with EMC directive |
| Low Voltage Directive | Conformance with Low Voltage Directive |

Standards and regulations

Air clearances and creepage distances between the power circuits

| | |
|-----------------------|-----------|
| Standards/regulations | IEC 60664 |
| | EN 50178 |

Mounting

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

PLC-RSC- 24UC/ 1/S/L - Switch

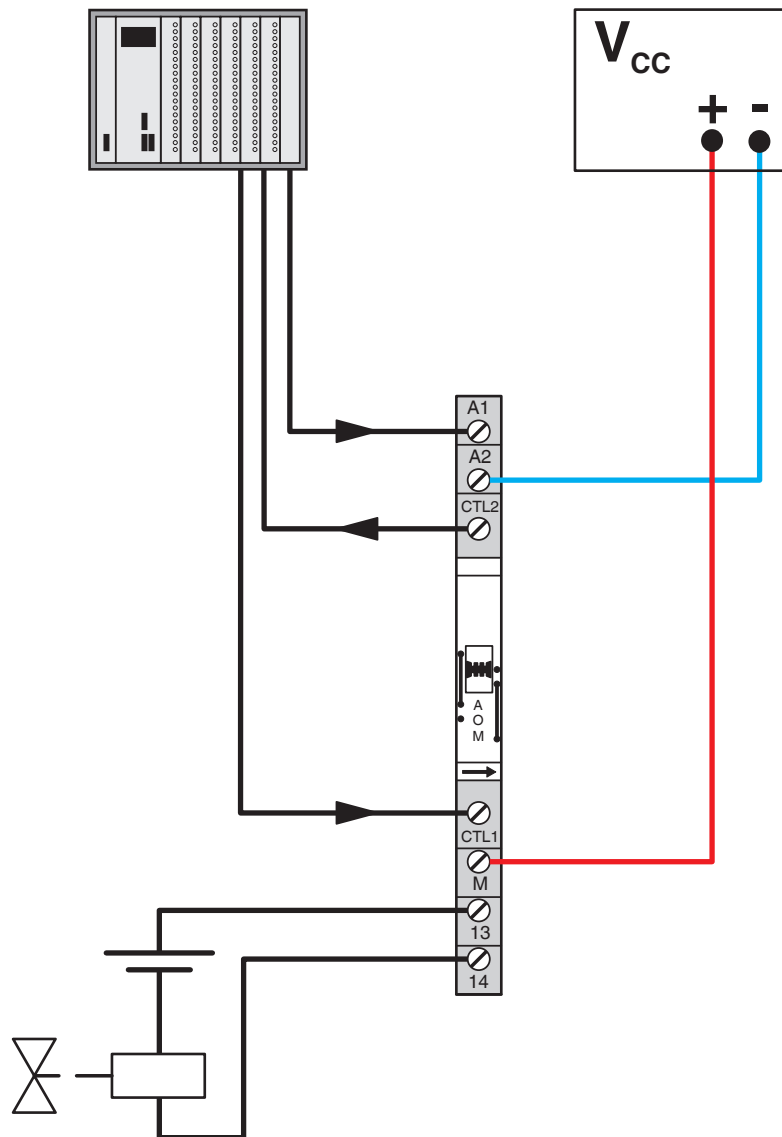
2834876

<https://www.phoenixcontact.com/us/products/2834876>

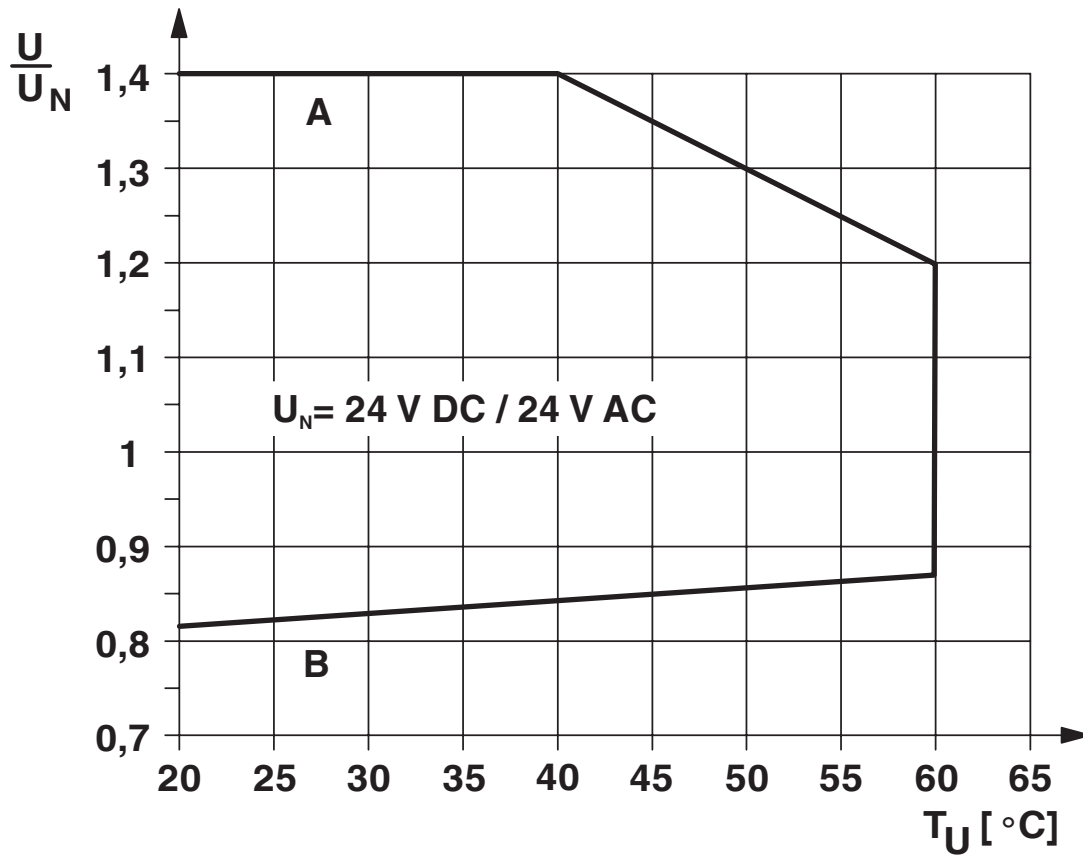


Drawings

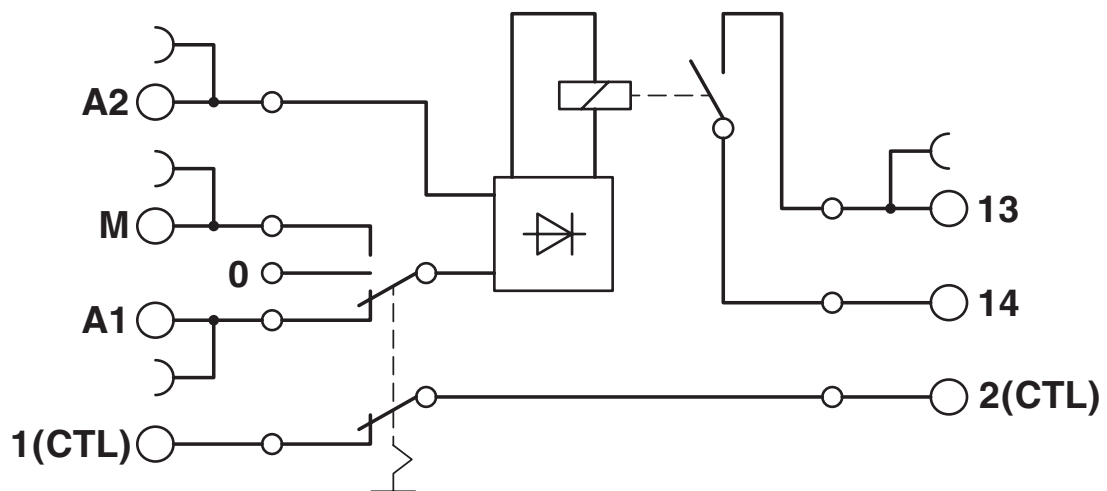
Application drawing



Diagram



Circuit diagram



PLC-RSC- 24UC/ 1/S/L - Switch



2834876

<https://www.phoenixcontact.com/us/products/2834876>

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% |
|-------------------------------------|----------------------------|

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com