

PLC-RPT-230UC/ 1AU/MS/SEN - Relay Module



2909680

<https://www.phoenixcontact.com/us/products/2909680>

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 for input functions, consisting of PLC-BPT.../SEN basic terminal block with Push-in connection and plug-in miniature relay with multi-layer gold contact and manual operation, 1 N/O contact, 230 V AC/220 V DC input voltage

Commercial Data

| | |
|--------------------------------------|---------------------|
| Item number | 2909680 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales Key | C461 |
| Product Key | CK623B |
| Catalog Page | Page 381 (C-5-2019) |
| GTIN | 4055626378121 |
| Weight per Piece (including packing) | 35.49 g |
| Weight per Piece (excluding packing) | 31.27 g |
| Customs tariff number | 85364900 |
| Country of origin | DE |

PLC-RPT-230UC/ 1AU/MS/SEN - Relay Module



2909680

<https://www.phoenixcontact.com/us/products/2909680>

Technical Data

Product properties

| | |
|-------------------------|---------------------------|
| Product type | Relay Module |
| Product family | PLC-INTERFACE |
| Application | Palm switch |
| Operating mode | 100% operating factor |
| Mechanical service life | 1x 10 ⁷ cycles |

Insulation characteristics: Standards/regulations

| | |
|----------------------|-----|
| Overvoltage category | III |
| Pollution degree | 3 |

Electrical properties

| | |
|---|--|
| Maximum power dissipation for nominal condition | 0.74 W |
| Test voltage (Winding/contact) | 4 kV AC (50 Hz, 1 min., winding/contact) |

Input data

Coil side

| | |
|---|------------------------------------|
| Nominal input voltage U _N | 230 V AC |
| | 220 V DC |
| Input voltage range | 179.4 V AC ... 264.5 V AC (20 °C) |
| | 171.6 V DC ... 253 V DC (20 °C) |
| Drive and function | monostable |
| Drive (polarity) | polarized |
| Typical input current at U _N | 3.2 mA |
| Typical response time | 7 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 |
| Type of switch contact | Single contact |
| Contact material | AgSnO, hard gold-plated |
| Maximum switching voltage | 30 V AC |
| | 36 V DC |
| Minimum switching voltage | 100 mV (at 10 mA) |
| Limiting continuous current | 50 mA |
| Maximum inrush current | 50 mA |
| Min. switching current | 1 mA (at 24 V) |
| Interrupting rating (ohmic load) max. | 1 W (at 24 V DC) |

PLC-RPT-230UC/ 1AU/MS/SEN - Relay Module



2909680

<https://www.phoenixcontact.com/us/products/2909680>

Switching: when the gold layer is destroyed

| | |
|---------------------------------------|--|
| Note | the following values are applicable if a gold layer is destroyed |
| Maximum switching voltage | 250 V AC/DC |
| Minimum switching voltage | 5 V (at 100 mA) |
| Limiting continuous current | 6 A |
| Min. switching current | 10 mA (at 12 V) |
| 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) |
| Switching capacity | 2 A (at 24 V, DC13) 0.2 A (at 110 V, DC13) 0.1 A (at 220 V, DC13) 3 A (at 24 V, AC15) 3 A (at 120 V, AC15) 3 A (at 230 V, AC15) |

Connection data

| | |
|----------------------------------|---|
| Connection method | Push-in connection |
| Stripping length | 10 mm |
| 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 mm ² (TWIN ferrule) |
| Conductor cross section AWG | 26 ... 14 |

Dimensions

| | |
|--------|--------|
| Width | 6.2 mm |
| Height | 80 mm |
| Depth | 94 mm |

Material specifications

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

Environmental and real-life conditions

Ambient conditions

| | |
|---|-------------------|
| Degree of protection (Relay) | RT II (Relay) |
| Degree of protection (Relay base) | IP20 (Relay base) |
| Ambient temperature (operation) | -40 °C ... 55 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |

PLC-RPT-230UC/ 1AU/MS/SEN - Relay Module



2909680

<https://www.phoenixcontact.com/us/products/2909680>

Approvals

CE

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

Corrosive gas test

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

Standards and regulations

Standards/regulations

| | |
|-----------------------|--|
| Standards/regulations | IEC 60664 |
| | IEC 60664A |
| | DIN VDE 0110 |
| | DIN EN 50178/VDE 0160 (in relevant parts) |
| | DIN EN 50178/VDE 0160 |
| | IEC 60255/DIN VDE 0435 (in relevant parts) |

Mounting

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

Phoenix Contact 2023 © - 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