

# Relay Module - PLC-RPT-230UC/21-21AU/MS - 2910529

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



PLC-INTERFACE, consisting of a relay base and pluggable multilayer gold contact relay with manual operation, integrated status LED, Push-in connection, 2 PDT, Input voltage: 230 V AC / 220 V DC



## Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 10 pc   |
| GTIN                                 | <br>4 0 5 5 6 2 6 4 8 6 8 0 2 |
| GTIN                                 | 4055626486802   |
| Weight per Piece (excluding packing) | 64.000 g  |
| Custom tariff number                 | 85364900  |
| Country of origin                    | Germany   |
| Note                                 | Made to Order (non-returnable)  |

## Technical data

### Note

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

### Dimensions

|        |        |
|--------|--------|
| Width  | 14 mm  |
| Height | 80 mm  |
| Depth  | 104 mm |

### Ambient conditions

|   |                                |
|---|--------------------------------|
| Ambient temperature (operation)         | -20 °C ... 50 °C               |
| Ambient temperature (storage/transport) | -20 °C ... 85 °C               |
| Maximum altitude                        | ≤ 2000 m                       |
| Degree of protection                    | RT II (Relay)                  |
|   | IP20 (Relay base)              |
|   | ≥ IP54 (Installation location) |

# Relay Module - PLC-RPT-230UC/21-21AU/MS - 2910529

## Technical data

### Coil side

|                                |                                   |
|--------------------------------|-----------------------------------|
| Nominal input voltage $U_N$    | 230 V AC                          |
|                                | 220 V DC                          |
| Typical input current at $U_N$ | 5 mA                              |
| Typical response time          | 6 ms (220 V DC)                   |
|                                | 3 ms ... 15 ms (230 V AC)         |
| Typical release time           | 10 ms (220 V DC)                  |
| Typical release time range     | 3 ms ... 15 ms (230 V AC)         |
| Protective circuit             | Bridge rectifier Bridge rectifier |
| Operating voltage display      | Yellow LED                        |

### Contact side

|                             |                |
|-----------------------------|----------------|
| Contact type                | 2 PDT          |
| Type of switch contact      | Single contact |
| Contact material            | AgNi + Au      |
| Maximum switching voltage   | 30 V AC        |
|                             | 36 V DC        |
| Minimum switching voltage   | 12 V (1 mA)    |
| Min. switching current      | 1 mA (12 V)    |
| Maximum inrush current      | 50 mA          |
| Limiting continuous current | 50 mA          |

### Contact side (with destroyed gold layer)

|                                       |  |
|---------------------------------------|--|
| Note                                  | the following values are applicable if a gold layer is destroyed |
| Maximum switching voltage             | 250 V AC/DC  |
| Minimum switching voltage             | 12 V (10 mA)   |
| Limiting continuous current           | 6 A  |
| Maximum inrush current                | 12 A (20 ms)   |
| Min. switching current                | 10 mA (12 V)   |
| Interrupting rating (ohmic load) max. | 192 W (24 V DC)  |
|                                       | 62 W (48 V DC)   |
|                                       | 42 W (60 V DC)   |
|                                       | 55 W (110 V DC)  |
|                                       | 66 W (220 V DC)  |
|                                       | 2000 VA (250 V AC)   |
| Switching capacity                    | 1 A (24 V, DC13)   |
|                                       | 1.5 A (230 V, AC15)  |

### General

|  |                                       |
|--|---------------------------------------|
| Test voltage relay winding/relay contact | 4 kV <sub>rms</sub> (50 Hz, 1 min.)   |
| Test voltage PDT/PDT                     | 2.5 kV <sub>rms</sub> (50 Hz, 1 min.) |
| Operating mode                           | 100% operating factor                 |
| Mechanical service life                  | 5x 10 <sup>6</sup> cycles             |