

# Relay Module - PLC-RPT- 24DC/21-21AU/MS - 2910524

## Technical data

### Connection data output side

|                                  |   |
|----------------------------------|---|
| Connection name                  | Contact side                                    |
| Connection method                | Push-in connection                              |
| Stripping length                 | 8 mm  |
| Conductor cross section solid    | 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> ()  |
|                                  | 2x 0.5 mm <sup>2</sup> ... 1 mm <sup>2</sup> () |
| Conductor cross section AWG      | 26 ... 14                                       |

### General

|  |                           |
|--|---------------------------|
| Test voltage relay winding/relay contact | 4 kV AC (50 Hz, 1 min.)   |
| Test voltage PDT/PDT                     | 2.5 kV AC (50 Hz, 1 min.) |
| Operating mode                           | 100% operating factor     |
| Degree of protection                     | RT II (Relay)             |
|  | IP20 (Relay base)         |
| Mechanical service life                  | 5x 10 <sup>8</sup> cycles |
| UL, USA                                  | UL 508                    |
|  | UL 508 Recognized         |
| UL, USA/Canada                           | cUL 508                   |
|  | cUL 508 Recognized        |
| Mounting position                        | any                       |
| Assembly instructions                    | In rows with zero spacing |

### Standards and Regulations

|  |                       |
|--|-----------------------|
| Designation                            | Standards/regulations |
| Standards/regulations                  | EN 50178              |
| Rated insulation voltage               | 250 V AC              |
| Rated surge voltage                    | 6 kV                  |
| Insulation                             | Basic insulation      |
| Degree of pollution                    | 2                     |
| Overvoltage category                   | III                   |
| Flammability rating according to UL 94 | V0                    |
| UL, USA                                | UL 508                |
|  | UL 508 Recognized     |
| UL, USA/Canada                         | cUL 508               |
|  | cUL 508 Recognized    |

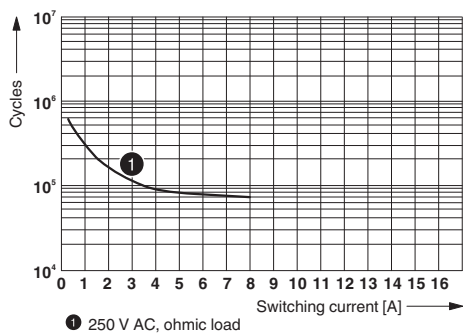
### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

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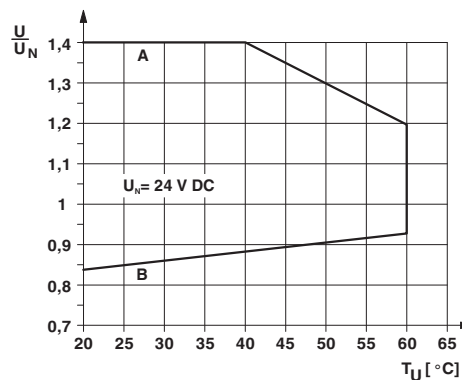
## Drawings

Diagram



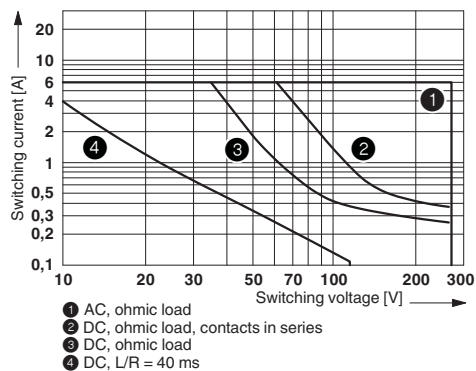
Electrical service life

Diagram



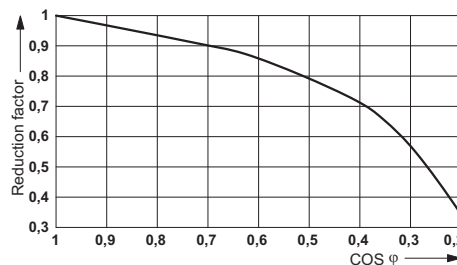
Curve A  
Maximum permissible continuous voltage  $U_{max}$  with limiting continuous current on the contact side (see relevant technical data)  
Curve B  
Minimum permissible operate voltage  $U_{op}$  after pre-excitation (see relevant technical data)

Diagram



Interrupting rating

Diagram



Service life reduction factor

## Articles in set

Relay base - PLC-BPT- 24DC/21-21/H - 1012141



14 mm PLC basic terminal block without relay, for mounting on DIN rail NS 35/7,5, Push-in connection, 2 PDT, Input voltage 24 V DC