

## Overview

## Product information

**Single relay-DRPS-1C-D24-06A(H)-30070000096**

Ultra thin relay, 1 PDT, with LED, with test button, rated coil voltage: 24VDC, switching current: 6A

## Product advantages

- ✓ Safe isolation between coil and contacts
- ✓ 6A maximum switching current

## Product certification



## Technical data

## Product drawing

## 3D model

□

## Overview

|                                         |                  |
|-----------------------------------------|------------------|
| Test Voltage Relay Coils/Relay Contacts | 4000VAC/1min     |
| Test voltage PDT/PDT                    | 1000VAC/1min     |
| Operation mode                          | 100% work factor |
| Installation location                   | Arbitrary        |

## Dimension

|        |      |
|--------|------|
| width  | 5mm  |
| length | 28mm |
| high   | 15mm |

## Coil side

|                                       |       |
|---------------------------------------|-------|
| Coil resistance                       | 3388Ω |
| Power consumption at rated conditions | 0.40W |

#### Environmental data

|                                         |             |
|-----------------------------------------|-------------|
| Ambient temperature (operation)         | -40℃～+75℃   |
| Ambient temperature (storage/transport) | -40℃...+85℃ |
| environment humidity                    | 5%～85%RH    |

#### Coil side

|                                |       |
|--------------------------------|-------|
| Rated input voltage UN         | 24VDC |
| Typical input current under UN | 22mA  |
| Operating voltage              | ≤75%  |
| Reset voltage                  | ≥10%  |
| Maximum allowable voltage      | 1.1   |

#### Switch part (contact part)

|                                              |               |
|----------------------------------------------|---------------|
| Contact voltage maximum                      | 277VAC/30VDC  |
| Contact current maximum                      | 6A            |
| Contact composition                          | 1C            |
| Contact mechanism                            | single        |
| Contact material                             | Ag alloy      |
| Contact resistance                           | ≤100mΩ        |
| Action time                                  | <8ms          |
| Reset time                                   | <4ms          |
| Maximum switching frequency (mechanical)     | 18000 times/h |
| Maximum switching frequency (rated load)     | 1800 times/h  |
| Insulation resistance                        | ≥100MΩ        |
| Withstand voltage (between coil and contact) | 4000VAC/1min  |

|                                                       |                    |
|-------------------------------------------------------|--------------------|
| Withstand voltage (between contacts of the same pole) | 1000VAC/1min       |
| Shock proof                                           | 10G                |
| Vibration resistant                                   | 10-55Hz            |
| Electrical life                                       | >1×10 <sup>5</sup> |
| Mechanical life                                       | >1×10 <sup>7</sup> |

Standards/Regulations

|                       |                       |
|-----------------------|-----------------------|
| Standards/Regulations | IEC 61810-1 IEC 60664 |
| insulation            | Basic isolation       |
| Pollution level       | 3                     |
| Overvoltage category  | III                   |

Accessories

Business data

|                                     |             |
|-------------------------------------|-------------|
| Order number                        | 30070000096 |
| Packing unit                        | 50 STK      |
| Minimum order quantity              | 50 STK      |
| Products weight (without packaging) | 17g         |