# Product data sheet

Specifications



## Relay, Harmony 8501K, DPDT, 8 pins, coil, 10A resistive at 120V AC, 240V AC, 1 HP at 277V AC, 2NO + 2NC

8501KPR12V24

**Product availability: Stock - Normally stocked in distribution facility**

## Main

| | |
|---|---|
| **product range** | 8501K |
| **product type** | Relay |
| **Relay Type** | General purpose |
| **mounting type** | Socket |
| **contact composition** | DPDT |
| **[Uc] control circuit voltage** | 240 V AC |
| **manual operator** | Without test button |

## Complementary

| | |
|---|---|
| **horsepower rating** | 1 hp 277 V AC |
| **maximum switching voltage** | 300 V AC<br>30 V DC |
| **contact material** | Silver alloy (AgNi) |
| **operating time** | 20 ms - pick-up<br>20 ms - drop-out |
| **shape of pins** | Tubular |
| **for use with** | 8501NR52<br>8501NR51 |

## Environment

| | |
|---|---|
| **ambient temperature range - operational** | -40…131 °F (-40…55 °C) |
| **product certifications** | UL Listed<br>UL Recognized<br>CSA<br>CE |
| **Height** | 2.66 in (67.56 mm) |
| **Width** | 1.4 in (35.6 mm) |
| **Depth** | 1.4 in (35.6 mm) |

## Ordering and shipping details

| | |
|---|---|
| **Category** | US10CP221141 |
| **Discount Schedule** | 0CP2 |
| **GTIN** | 785901334187 |
| **Returnability** | Yes |

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| **Country of origin** | CN |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Nbr. of units in pkg.** | 1 |
| **Package 1 Height** | 1.5 in (3.9 cm) |
| **Package 1 Width** | 1.6 in (4.1 cm) |
| **Package 1 Length** | 2.8 in (7.2 cm) |
| **Package weight(Lbs)** | 3.4 oz (96 g) |
| **Unit Type of Package 2** | S02 |
| **Number of Units in Package 2** | 28 |
| **Package 2 Height** | 5.9 in (15 cm) |
| **Package 2 Width** | 11.8 in (30 cm) |
| **Package 2 Length** | 15.7 in (40 cm) |
| **Package 2 Weight** | 16.191 lb(US) (7.344 kg) |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Environmental footprint

| | |
|---|---|
| Total lifecycle Carbon footprint | **25 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **0.6 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **0 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **25 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **0.1 kg CO2 eq.** |
| Environmental Disclosure | Product Environmental Profile |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **No** |
| Packaging without single use plastic | **No** |
| EU RoHS Directive | Compliant |
| REACh Regulation | Free of Substances of Very High Concern above the threshold |
| California proposition 65 | **WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov** |

## Use Longer

### Lifetime extension

| | |
|---|---|
| Repair | **No** |

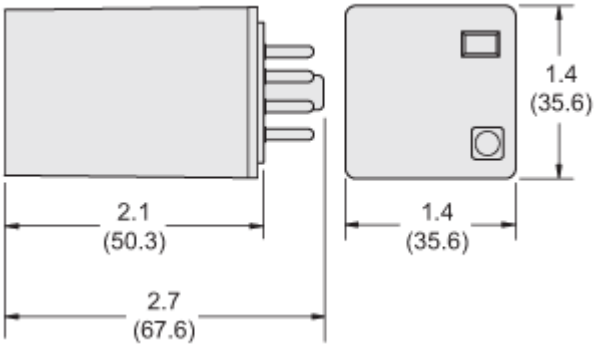
## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **70** |
| Circularity Profile | End of Life Information |
| Take-back | **No** |

Dimensions Drawings

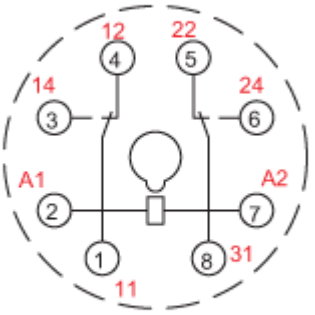
**Approximate Dimensions**



Connections and Schema

## Connections and Wiring Diagrams

8501KP12●●●




NEMA
IEC

Image of product / Alternate images

**Alternative**





