

# Product data sheet

Specifications



Relay, General Purpose Relays, DPDT, hermetically hazardous location series, octal terminal 8 pins, 12A, 24V DC, 2NC + 2NO

750XBXH-24D

Product availability: Stock - Normally stocked in distribution facility

## Main

|                     |             |
|---------------------|-------------|
| Product Type        | Relay       |
| Switch Function     | DPDT        |
| Contact Composition | 2 NC + 2 NO |

## Complementary

|                            |                                                                                                            |
|----------------------------|------------------------------------------------------------------------------------------------------------|
| Input Current              | 12 A                                                                                                       |
| Contacts Material          | Silver alloy contacts                                                                                      |
| Minimum Switching Current  | 100 mA 5 V                                                                                                 |
| Coil Resistance            | 470 Ohm                                                                                                    |
| Input voltage              | 24 V DC                                                                                                    |
| Drop-out Voltage Threshold | >= 0.15 Uc AC<br>>= 0.1 Uc DC                                                                              |
| Rated Operational Current  | 12 A at 120 V AC conforming to UL<br>12 A at 240 V AC conforming to UL<br>12 A at 28 V DC conforming to UL |
| Power consumption in W     | 1.2 W DC                                                                                                   |
| Voltage Range              | 0.8...1.1 Un AC/DC                                                                                         |
| Maximum Switching Voltage  | 300 V                                                                                                      |
| Motor Power HP             | 0.5 hp 240 V AC 50/60 Hz<br>0.33 hp 120 V AC 50/60 Hz                                                      |
| Connections Terminals      | octal terminal - 8 pins                                                                                    |
| Mounting                   | Socket                                                                                                     |
| Height                     | 2.07 in (52.5 mm)                                                                                          |
| Width                      | 1.4 in (36.5 mm)                                                                                           |
| Depth                      | 1.6 in (41.2 mm)                                                                                           |
| Product Weight             | 4.6 oz (130 g)                                                                                             |
| Operating Time             | 20 ms                                                                                                      |

## Environment

|                                       |                            |
|---------------------------------------|----------------------------|
| Ambient Air Temperature for Operation | -40...131 °F (-40...55 °C) |
| Ambient Air Temperature for Storage   | -40...185 °F (-40...85 °C) |
| Product Certifications                | UL<br>CSA                  |

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

|                         |                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability   | 100000 cycles resistive                                                                                                            |
| Mechanical Durability   | 10000000 cycles                                                                                                                    |
| IP Degree of Protection | IP67                                                                                                                               |
| Dielectric Strength     | 1600 V AC between coil and contact<br>1600 V AC between poles<br>1500 V AC between open contacts                                   |
| Shock Resistance        | 10 gn                                                                                                                              |
| Vibration Resistance    | 3 gn 35...150 Hz)operating<br>+/- 1 mm 10...35 Hz)operating<br>6 gn 35...150 Hz)not operating<br>+/- 1 mm 10...35 Hz)not operating |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10CP221127  |
| Discount Schedule | 0CP2          |
| GTIN              | 3606480279256 |
| Returnability     | Yes           |
| Country of origin | CN            |

## Packing Units

|                              |                   |
|------------------------------|-------------------|
| Unit Type of Package 1       | PCE               |
| Number of Units in Package 1 | 1                 |
| Package 1 Height             | 1.62 in (4.12 cm) |
| Package 1 Width              | 1.44 in (3.65 cm) |
| Package 1 Length             | 2.07 in (5.25 cm) |
| Package 1 Weight             | 4.6 oz (130 g)    |

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                        |                                               |
|------------------------------------------------|-----------------------------------------------|
| Carbon footprint (kg CO2 eq, Total Life cycle) | 18                                            |
| Environmental Disclosure                       | <a href="#">Product Environmental Profile</a> |

Use Better

| Materials and Substances               |                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                                                                                                                                                                                                                                                                                                    |
| Packaging without single use plastic   | Yes                                                                                                                                                                                                                                                                                                                                                                    |
| <a href="#">EU RoHS Directive</a>      | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                                                                                             |
| REACH Regulation                       | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                                                                                                      |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

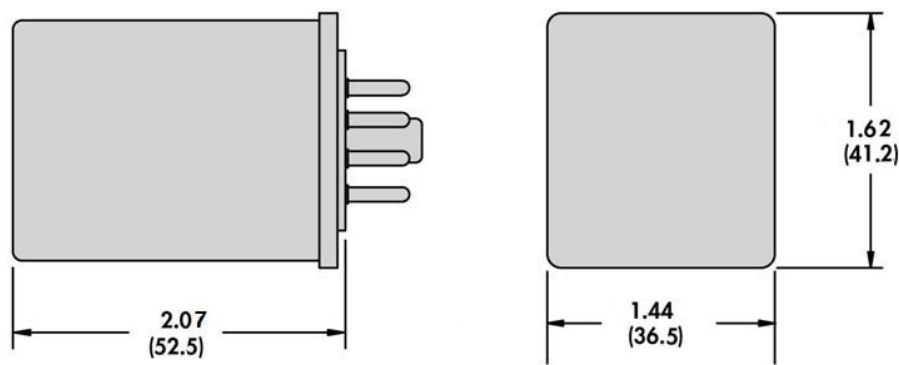
Use Again

| Repack and remanufacture |                                                                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                                                                                                                          |
| Take-back                | No                                                                                                                                                                                                               |
| WEEE                     |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

Dimensions Drawings

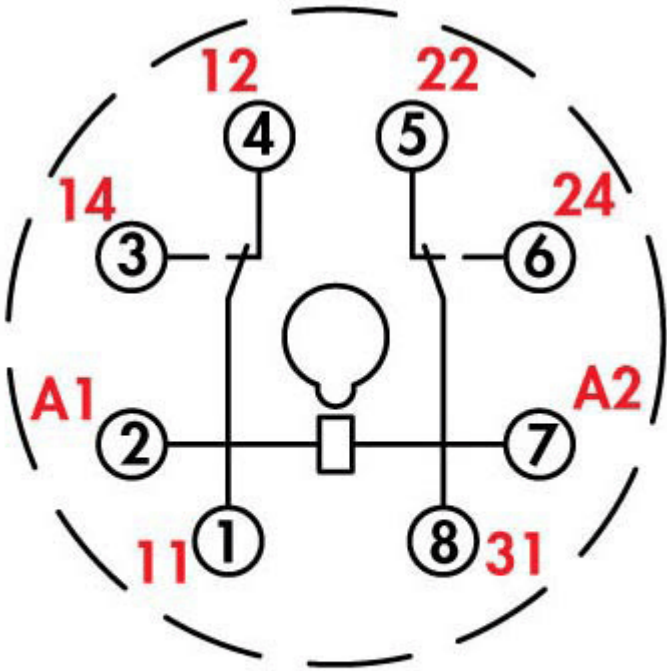
Approximate Dimensions

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Connections and Schema

Connections and Wiring Diagrams



NEMA  
IEC

Image of product / Alternate images

Alternative

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