

# Product data sheet

Specifications



Power relay, SE Relays, 25A, 2NO, 24VDC, LED push button, screw terminals, DIN or panel mount

725BXXSC3ML-24D

Product availability: Stock - Normally stocked in distribution facility

## Main

|                                              |                                  |
|----------------------------------------------|----------------------------------|
| Range of Product                             | Harmony Electromechanical Relays |
| Series name                                  | 725 series                       |
| Product or Component Type                    | DIN rail/panel mount relay       |
| Contacts type and composition                | 2 NO                             |
| Relay Type                                   | Power relay                      |
| Status LED                                   | With                             |
| [Uc] control circuit voltage                 | 24 V DC                          |
| Network Frequency                            | 50/60 Hz                         |
| [Ithe] conventional enclosed thermal current | 25 A                             |
| Local signalling                             | LED indicator test button        |

## Complementary

|                            |                                                               |
|----------------------------|---------------------------------------------------------------|
| class number               | 725                                                           |
| Minimum switching current  | 100 mA 5 V DC                                                 |
| Nominal input voltage      | 19.2...26.4 V DC                                              |
| Electrical durability      | 100000 cycles resistive IEC                                   |
| Dielectric strength        | 4000 V AC between coil and contact<br>2000 V AC between poles |
| Control Type               | Test button                                                   |
| Coil resistance            | 300 Ohm                                                       |
| Average coil consumption   | 1.90 W                                                        |
| Wire stripping length      | 0.3 in (8 mm)                                                 |
| Response Time              | 30 ms                                                         |
| Associated fuse rating     | 32 A gG at 400 V coordination type 2 for power circuit        |
| Short-circuit current      | 3 kA                                                          |
| Average pole impedance     | 2 mOhm                                                        |
| Maximum switching voltage  | 240 V CE<br>277 V UL                                          |
| Drop-out voltage threshold | DC                                                            |
| Rated power in W           | 1.3 kW 120 V tungsten                                         |
| Rated power in hp          | 1 hp 120 V AC<br>2 hp 277 V AC                                |

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

|                                |                                                                                                                                                                                                                                                                                         |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ie] rated operational current | 25 A at 277 V AC (on resistive load) conforming to UL<br>25 A at 240 V AC (general purpose) conforming to UL<br>25 A at 30 V DC (on resistive load) conforming to UL<br>25 A at 240 V AC (on resistive load) conforming to IEC<br>25 A at 28 V DC (on resistive load) conforming to IEC |
| Mechanical durability          | 5000000 cycles                                                                                                                                                                                                                                                                          |
| Tightening torque              | 10.6...15 lb.in<br>1.2...1.7 N.m                                                                                                                                                                                                                                                        |
| Mounting Support               | DIN rail<br>Panel                                                                                                                                                                                                                                                                       |
| Contacts material              | Silver alloy contacts                                                                                                                                                                                                                                                                   |
| Shape of pin                   | Screw                                                                                                                                                                                                                                                                                   |
| Width                          | 1.4 in (34.9 mm)                                                                                                                                                                                                                                                                        |
| Height                         | 2.7 in (67.7 mm)                                                                                                                                                                                                                                                                        |
| Depth                          | 2.1 in (53.9 mm)                                                                                                                                                                                                                                                                        |
| Product Weight                 | 4.2 oz (120 g)                                                                                                                                                                                                                                                                          |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | IEC 60947-1<br>UL 60947-4-1A |
| Product Certifications                | UL<br>CSA<br>CE              |
| Ambient Air Temperature for Storage   | -67...212 °F (-55...100 °C)  |
| Ambient Air Temperature for Operation | -4...131 °F (-20...55 °C)    |
| IP Degree of Protection               | IP20                         |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10CP221127  |
| Discount Schedule | 0CP2          |
| GTIN              | 3606480279041 |
| Returnability     | Yes           |
| Country of origin | CN            |

## Packing Units

|                              |                   |
|------------------------------|-------------------|
| Unit Type of Package 1       | PCE               |
| Nbr. of units in pkg.        | 1                 |
| Package 1 Height             | 1.94 in (4.94 cm) |
| Package 1 Width              | 1.30 in (3.31 cm) |
| Package 1 Length             | 2.67 in (6.77 cm) |
| Package weight(Lbs)          | 4.2 oz (120.0 g)  |
| Unit Type of Package 2       | BB1               |
| Number of Units in Package 2 | 10                |
| Package 2 Height             | 3.0 in (7.6 cm)   |
| Package 2 Width              | 5.7 in (14.6 cm)  |
| Package 2 Length             | 12.6 in (31.9 cm) |

|                              |                       |
|------------------------------|-----------------------|
| Package 2 Weight             | 2.6 lb(US) (1.2 kg)   |
| Unit Type of Package 3       | CAR                   |
| Number of Units in Package 3 | 100                   |
| Package 3 Height             | 13.0 in (33.0 cm)     |
| Package 3 Width              | 12.2 in (31.0 cm)     |
| Package 3 Length             | 14.2 in (36.0 cm)     |
| Package 3 Weight             | 26.5 lb(US) (12.0 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 >](#)

### Use Better

| Materials and Substances               |                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                                                                                                                                                                                                                                                                                                    |
| Packaging without single use plastic   | No                                                                                                                                                                                                                                                                                                                                                                     |
| EU RoHS Directive                      | <a href="#">Compliant</a>                                                                                                                                                                                                                                                                                                                                              |
| REACH Regulation                       | <a href="#">Free of Substances of Very High Concern above the threshold</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 Longer

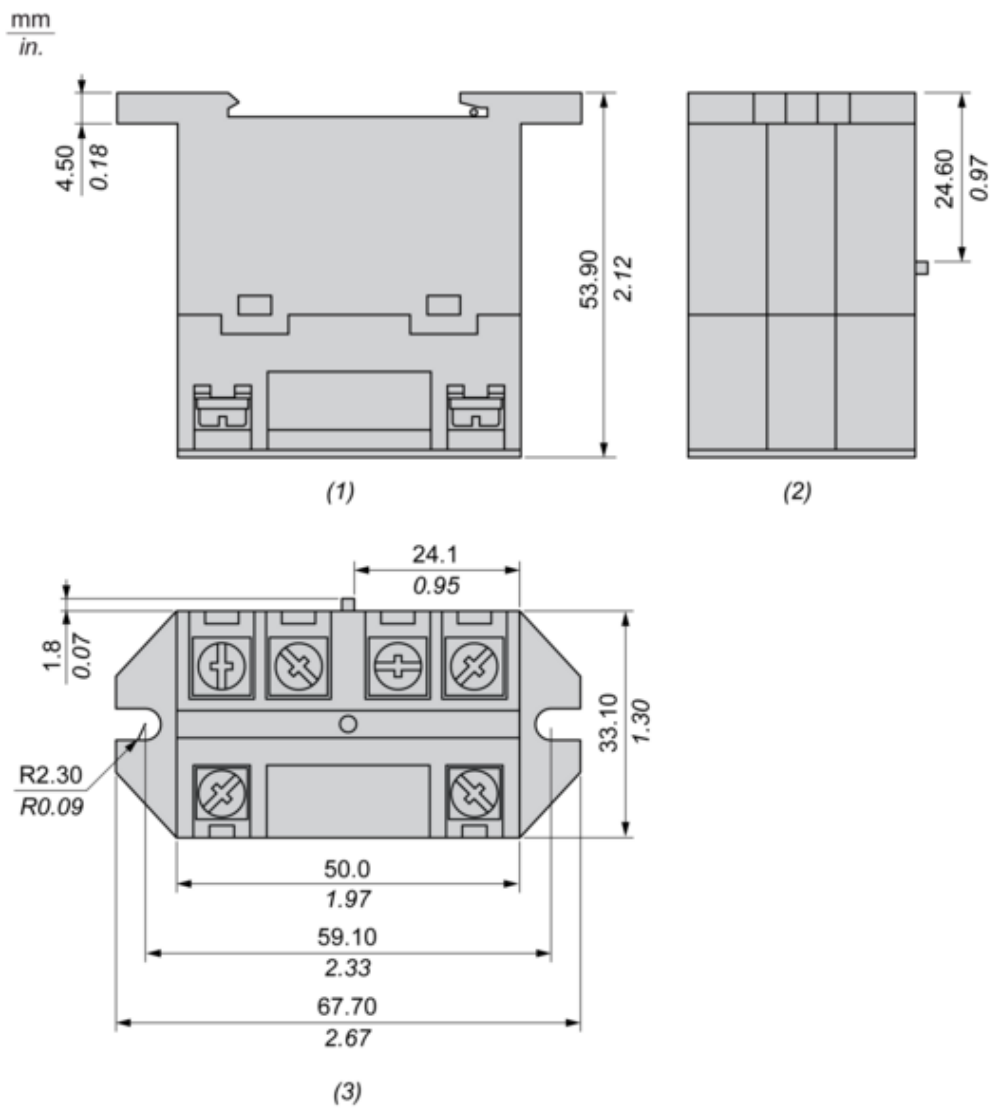
| Lifetime extension |    |
|--------------------|----|
| Repair             | No |

### Use Again

| Repack and remanufacture |    |
|--------------------------|----|
| Take-back                | No |

Dimensions Drawings

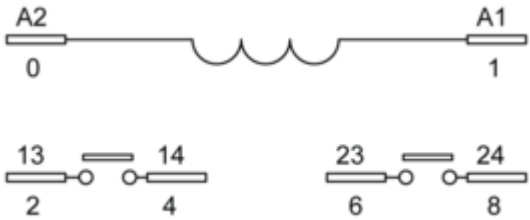
Dimensions



- (1) : Back View
- (2) : Side View
- (3) : Top View

Connections and Schema

Wiring



## Technical Illustration

## Dimensions

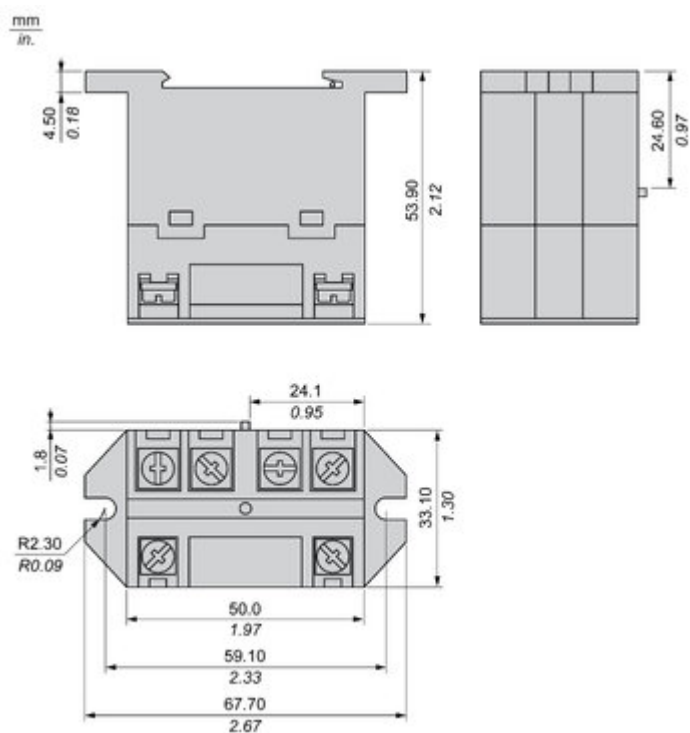


Image of product / Alternate images

Alternative

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Image of product in real life situation

