

# 750BHXH-24D

Power relay, SE Relays, 12A, DPDT, 24 VDC, hermetically sealed contacts, hazardous location series



## 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 | $\geq 0.15 U_c$ AC<br>$\geq 0.1 U_c$ 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 $U_n$ 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                      | 1.44 in (36.5 mm)  |
| Depth                      | 1.62 in (41.2 mm)  |
| Product Weight             | 4.59 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  |
| 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 |

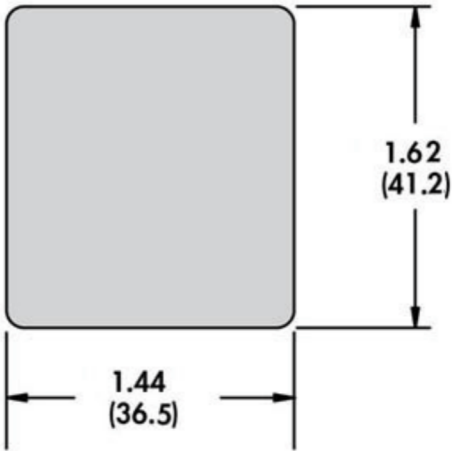
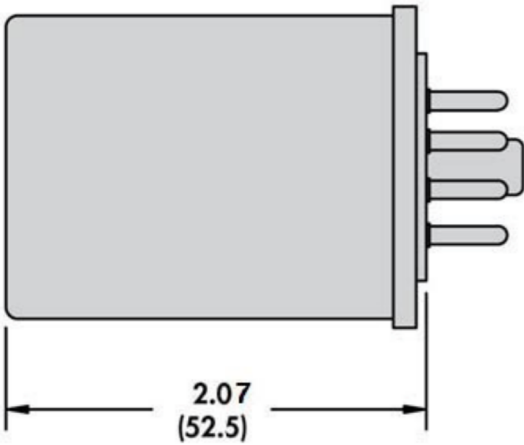
## Ordering and shipping details

|      |               |
|------|---------------|
| GTIN | 3606480279256 |
|------|---------------|

## Offer Sustainability

|                            |  |
|----------------------------|--|
| Sustainable offer status   | Green Premium product  |
| 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> |
| REACH Regulation           | <a href="#">REACH Declaration</a>  |
| REACH free of SVHC         | Yes  |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>   |
| Toxic heavy metal free     | Yes  |
| Mercury free               | Yes  |
| RoHS exemption information | <a href="#">Yes</a>  |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>   |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>  |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.   |

Approximate Dimensions



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Connections and Wiring Diagrams

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