

# Product data sheet

Specifications

SQUARE D



## Control Relay with 220VAC-50Hz/ 240VAC-60Hz Coil with 10 NO Contacts

8501XO1000V03

 **Discontinued on:** Oct 11, 2019

 **Discontinued**

### Main

|                |                   |
|----------------|-------------------|
| Range          | 8501X             |
| Relay Type     | Control           |
| Product        | Relay             |
| Current Rating | 10 A AC<br>5 A DC |

### Complementary

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Coil Voltage                              | 220 V AC 50 Hz<br>240 V AC 60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Control Circuit Voltage Limits            | Operational 0.85...1.1 Uc AC 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Rated Breaking Capacity                   | 6 A 120 V AC inductive control circuit UL 508<br>3 A 240 V AC inductive control circuit UL 508<br>1.5 A 480 V AC inductive control circuit UL 508<br>1.2 A 600 V AC inductive control circuit UL 508<br>10 A <= 600 V AC resistive control circuit UL 508<br>1.1 A 125 V DC inductive control circuit UL 508<br>0.55 A 250 V DC inductive control circuit UL 508<br>0.2 A 301...600 V DC inductive control circuit UL 508<br>4 A 125 V DC resistive control circuit UL 508<br>0.8 A 250 V DC resistive control circuit UL 508 |
| [Icm] Rated Short-Circuit Making Capacity | 60 A 120 V AC inductive control circuit UL 508<br>30 A 240 V AC inductive control circuit UL 508<br>15 A 480 V AC inductive control circuit UL 508<br>12 A 600 V AC inductive control circuit UL 508<br>10 A <= 600 V AC resistive control circuit UL 508<br>1.1 A 125 V DC inductive control circuit UL 508<br>0.55 A 250 V DC inductive control circuit UL 508<br>0.2 A 301...600 V DC inductive control circuit UL 508<br>4 A 125 V DC inductive control circuit UL 508<br>0.8 A 250 V DC resistive control circuit UL 508 |
| Inrush Power In Va                        | 148 VA 60 Hz<br>143 VA 50 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Hold-In Power Consumption In Va           | 23 VA 60 Hz<br>25 VA 50 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Operating Time                            | 15 ms - pick-up<br>16 ms - drop-out                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Contact Configuration                     | 10 NO 10 standard contact cartridges                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Electrical Connection                     | Screw clamp terminals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Awg Gauge                                 | AWG 18...AWG 12 copper                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Tightening Torque                         | Control circuit 9.03...12.04 lbf.in (1.02...1.36 N.m) screw terminals                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Mounting Type                             | Panel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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

|        |                     |
|--------|---------------------|
| Height | 3.5 in (88.90 mm)   |
| Width  | 2.23 in (56.64 mm)  |
| Depth  | 6.36 in (161.54 mm) |

## Environment

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Operating Temperature | -40...160 °F (-40...71 °C)                                  |
| Certifications        | UL listed file E78403 CCN NKCR<br>CSA LR60905 class 3211 03 |

## Ordering and shipping details

|                   |                    |
|-------------------|--------------------|
| Category          | 21158-8501 XO (AC) |
| Discount Schedule | CP2                |
| Returnability     | No                 |
| Country Of Origin | MX                 |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|