

# 8501XO20V03

NEMA Control Relay, Type X, machine tool,  
10A resistive at 600 VAC, 2 normally open  
contacts, 220/240 VAC 50/60 Hz coil



## 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                     | 2 NO 2 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Height                                    | 3.5 in (88.90 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Width                                     | 2.23 in (56.64 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Depth                                     | 3.95 in (100.33 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

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

## Ordering and shipping details

|                   |                    |
|-------------------|--------------------|
| Category          | 21158-8501 XO (AC) |
| Discount Schedule | CP2                |
| GTIN              | 785901536987       |
| Returnability     | No                 |
| Country of origin | MX                 |

## Packing Units

|                              |                            |
|------------------------------|----------------------------|
| Unit Type of Package 1       | PCE                        |
| Number of Units in Package 1 | 1                          |
| Package 1 Height             | 2.54 in (6.452 cm)         |
| Package 1 Width              | 1.00 in (2.54 cm)          |
| Package 1 Length             | 6.45 in (16.387 cm)        |
| Package 1 Weight             | 33.92 oz (961.616 g)       |
| Unit Type of Package 2       | PAL                        |
| Number of Units in Package 2 | 360                        |
| Package 2 Height             | 40.00 in (101.6 cm)        |
| Package 2 Width              | 40.00 in (101.6 cm)        |
| Package 2 Length             | 48.00 in (121.92 cm)       |
| Package 2 Weight             | 764.00 lb(US) (346.544 kg) |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                       |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and 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>                                                                                                                                                                                                                                                           |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                  |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                                                                                                                                                                                      |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                                                         |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                               |

## Contractual warranty

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