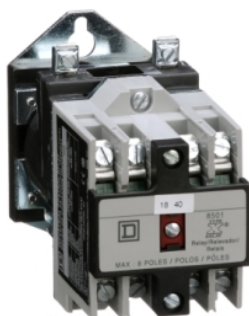


# 8501XDO20V53

NEMA Control Relay, Type X, machine tool,  
10A resistive at 600 VAC, 2 normally open  
contacts, 24 VDC coil



## Main

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

## Complementary

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Coil Voltage                                           | 24 V DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Control circuit voltage limits                         | Operational 0.8...1.1 U <sub>c</sub> DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 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 |
| [I <sub>cm</sub> ] 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 W                                      | 18 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hold-in Power Consumption in W                         | 18 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Operating time                                         | 37 ms - pick-up<br>21 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                                                 | 3.56 in (90.42 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Width                                                  | 2.23 in (56.64 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Depth                                                  | 5.17 in (131.32 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Environment

|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| Operating Temperature | -40.0000002...71.1 °C (-40...160 °F)                            |
| Certifications        | UL listed file E78403 CCN NKCR[RETURN]CSA LR60905 class 3211 03 |

## Ordering and shipping details

|                   |              |
|-------------------|--------------|
| Category          | US10CP221157 |
| Discount Schedule | 0CP2         |
| GTIN              | 785901537441 |
| Returnability     | No           |
| Country of origin | US           |

## Packing Units

|                              |                         |
|------------------------------|-------------------------|
| Unit Type of Package 1       | PCE                     |
| Number of Units in Package 1 | 1                       |
| Package 1 Height             | 8.890 in (22.581 cm)    |
| Package 1 Width              | 3.50 in (8.89 cm)       |
| Package 1 Length             | 22.581 in (57.355 cm)   |
| Package 1 Weight             | 3.320 lb(US) (1.506 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>                                                                                                                                                                                                                                               |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                                                                                                                                                                                     |

## Contractual warranty

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