# Product datasheet

Specifications

Green Premium™

## NEMA Control Relay, Type X, machine tool, 10A resistive at 600VAC, 12 normally open contacts, 110/120VAC 50/60Hz coil

8501XO1200V02

Discontinued

Discontinued on: 17 Jan 2023

## Main

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

## Complementary

| | |
|---|---|
| **Coil Voltage** | 110 V AC 50 Hz<br>120 V AC 60 Hz |
| **Control Circuit Voltage Limits** | Operational: 0.85...1.1 Uc AC 50/60 Hz |
| **Rated Breaking Capacity** | 6 A at 120 V AC for inductive control circuit conforming to UL 508<br>3 A at 240 V AC for inductive control circuit conforming to UL 508<br>1.5 A at 480 V AC for inductive control circuit conforming to UL 508<br>1.2 A at 600 V AC for inductive control circuit conforming to UL 508<br>10 A at <= 600 V AC for resistive control circuit conforming to UL 508<br>1.1 A at 125 V DC for inductive control circuit conforming to UL 508<br>0.55 A at 250 V DC for inductive control circuit conforming to UL 508<br>0.2 A at 301...600 V DC for inductive control circuit conforming to UL 508<br>4 A at 125 V DC for resistive control circuit conforming to UL 508<br>0.8 A at 250 V DC for resistive control circuit conforming to UL 508 |
| **[Icm] Rated Short-Circuit Making Capacity** | 60 A at: 120 V AC for inductive load control circuit conforming to UL 508<br>30 A at: 240 V AC for inductive load control circuit conforming to UL 508<br>15 A at: 480 V AC for inductive load control circuit conforming to UL 508<br>12 A at: 600 V AC for inductive load control circuit conforming to UL 508<br>10 A at: <= 600 V AC for resistive load control circuit conforming to UL 508<br>1.1 A at: 125 V DC for inductive load control circuit conforming to UL 508<br>0.55 A at: 250 V DC for inductive load control circuit conforming to UL 508<br>0.2 A at: 301...600 V DC for inductive load control circuit conforming to UL 508<br>4 A at: 125 V DC for inductive load control circuit conforming to UL 508<br>0.8 A at: 250 V DC for resistive load control circuit conforming to 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** | 12 NO 12 standard contact cartridges |
| **Electrical Connection** | Screw clamp terminals |
| **Awg Gauge** | AWG 18...AWG 12 copper |
| **Tightening Torque** | Control circuit: 1.02…1.36 N.m - on screw terminals |

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

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|---|---|
| **Mounting Type** | Panel |
| **Height** | 88.90 mm |
| **Width** | 56.64 mm |
| **Depth** | 161.54 mm |

## Environment

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|---|---|
| **Operating Temperature** | -40…71 °C |
| **Certifications** | CSA LR60905 class 3211 03<br>UL listed file E78403 CCN NKCR |

## Packing Units

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|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 54.839 cm |
| **Package 1 Width** | 21.59 cm |
| **Package 1 Length** | 139.29 cm |
| **Package 1 Weight** | 1.329 kg |

## Contractual warranty

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

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-$CO_2$ products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

## Well-being performance

Mercury Free

| | |
|---|---|
| Rohs Exemption Information | Yes |

## Certifications & Standards

| | |
|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Pro-active compliance (Product out of EU RoHS legal scope) |
| **China Rohs Regulation** | China RoHS declaration |
| **Environmental Disclosure** | Product Environmental Profile |