

Product data sheet

Specifications

SQUARE D

Green Premium™



Control Relay with 12VDC Coil with 6 NO Contacts

8501XDO60V51

⚠ Discontinued on: Oct 11, 2019

⚠ Discontinued

Main

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

Complementary

| | |
|---|---|
| Coil Voltage | 12 V DC |
| Control Circuit Voltage Limits | Operational 0.8...1.1 Uc DC |
| Rated Breaking Capacity | 6 A 120 V AC inductive control circuit UL 508 3 A 240 V AC inductive control circuit UL 508 1.5 A 480 V AC inductive control circuit UL 508 1.2 A 600 V AC inductive control circuit UL 508 10 A <= 600 V AC resistive control circuit UL 508 1.1 A 125 V DC inductive control circuit UL 508 0.55 A 250 V DC inductive control circuit UL 508 0.2 A 301...600 V DC inductive control circuit UL 508 4 A 125 V DC resistive control circuit UL 508 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 30 A 240 V AC inductive control circuit UL 508 15 A 480 V AC inductive control circuit UL 508 12 A 600 V AC inductive control circuit UL 508 10 A <= 600 V AC resistive control circuit UL 508 1.1 A 125 V DC inductive control circuit UL 508 0.55 A 250 V DC inductive control circuit UL 508 0.2 A 301...600 V DC inductive control circuit UL 508 4 A 125 V DC inductive control circuit UL 508 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 21 ms - drop-out |
| Contact Configuration | 6 NO 6 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) |

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

| | |
|-------|---------------------|
| Depth | 6.37 in (161.80 mm) |
|-------|---------------------|

Environment

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

Ordering and shipping details

| | |
|-------------------|---------------------|
| Category | 21157-8501 XDO (DC) |
| Discount Schedule | CP2 |
| Returnability | No |
| Country Of Origin | MX |

Contractual warranty

| | |
|----------|-----------|
| 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-CO₂ 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 |
| 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 www.P65Warnings.ca.gov |