

Class 8501 Type C Heavy Duty Open Frame Power Relays

Retain for future use.



8501CDO16V51

Features and Applications

8501C relays are ideally suited for controlling single-phase motors, electric heaters, pumps, conveyors, material handling equipment, and other applications.

- 40 A contact rating
- Motor load (hp) ratings
- Durable open-frame construction
- UL Listed
- CSA certified
- CE approved
- RoHS compliant

Table 1: Selection Table and Application Data

Selection Table					Application Data							
Contact Arrangement	Number of Fixed Contacts		AC Operated Coil Open Type	DC Operated Coil Open Type	Maximum Contact Voltage	Resistive Ampere Rating 75% Power Factor		Maximum Single-phase Horsepower			Maximum Coil Power Consumption	
	N.O.	N.C.				277 Vac / 28 Vdc	600 Vac	120 Vac	230 Vac	600 Vac	AC Coil	DC Coil
General Purpose												
SPST	1	0	CO6▲	CDO6▲	600	40	10	2	2	2	10 VA	4 W
DPST	2	0	CO7▲	CDO7▲	600	40	5	2	2	2	10 VA	4 W
SPST	0	1	CO8▲	CDO8▲	600	40	10	2	2	2	10 VA	4 W
SPDT	1	1	CO15▲	CDO15▲	600	40	5	2	2	2	10 VA	4 W
DPDT	2	2	CO16▲	CDO16▲	600	40	5	2	2	2	10 VA	4 W
DC Switching (includes Blowout Magnet)						110 Vdc	220 Vdc					
SPST	1	0	CO21▲	CDO21▲	500	20	8	N.A.			10 VA	4 W
DPDT	2	2	CO22▲	CDO22▲	325	10	4				10 VA	4 W

▲ Voltage codes must be specified to order this product. Refer to standard voltage codes listed in Table 3 and insert as shown in Table 5 How to Order.

Table 2: Operating Data

Operating Voltages / Voltage Range	AC coils – 6 through 480 volts, + 10/-15% of nominal at 25 °C DC coils – 6 through 110 volts, + 10/-20% of nominal at 25 °C
Coil Duty	Continuous duty rated coils. (Non-replaceable)
Operating Temperature Range	AC: -67 °F to +131 °F (-55 °C to +55 °C) DC: -67 °F to +131 °F (-55 °C to +55 °C)
Storage Temperature Range	-67 °F to +212 °F (-55 °C to +100 °C)

Approvals:



File E78351
CCN NLDX



File 218139
Class 3211 04



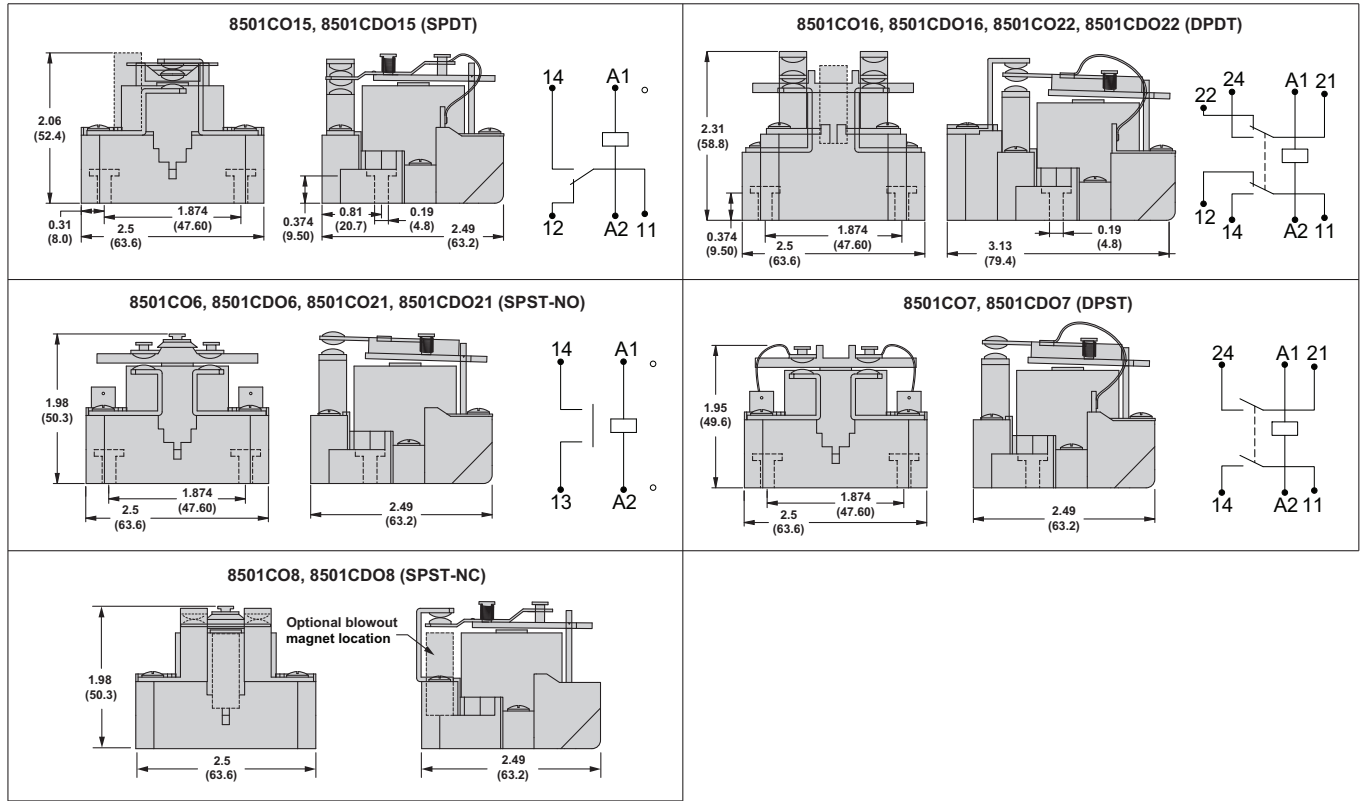
IEC 60947-4-1

Table 3: Voltage Codes and Stocked Relays

Class 8501 Type	AC Voltage—50/60 Hz								Class 8501 Type	DC Voltage			
	6	12	24	120	208	240	277	480		6	12	24	110
Voltage Code	V35	V36	V14	V20	V08	V24	V04	V29	Voltage Code	V50	V51	V53	V60
CO6		S	S	S	S	S	S	S	CDO6		S	S	
CO7		S	S	S	S	S	S	S	CDO7		S	S	
CO8			S	S		S	S	S	CDO8				
CO15			S	S	S	S	S	S	CDO15			S	
CO16		S	S	S	S	S	S	S	CDO16		S	S	S
CO21				S					CDO21			S	S
CO22				S					CDO22			S	S

Note: S = Stocked.

Approximate Dimensions and Wiring Diagrams



Accessories



9991UE1 Enclosure

Table 4: 9991 Enclosure

Type	Description
UE1	NEMA 1 sheet steel enclosure

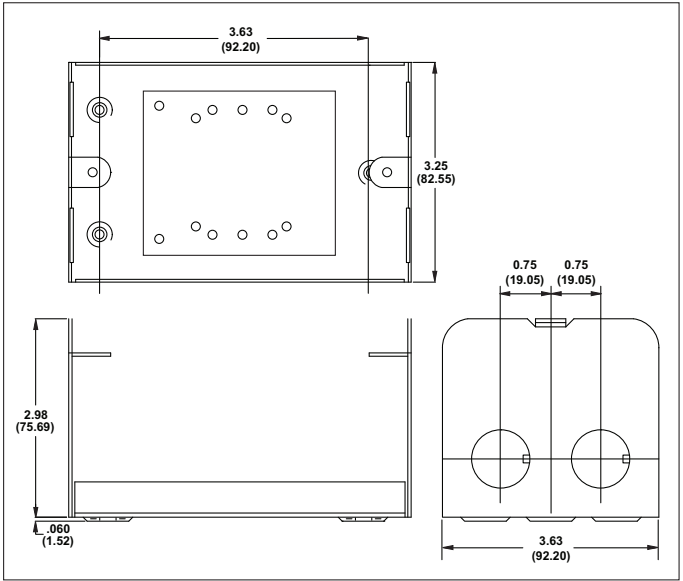
How to Order

Table 5: How to Order

To Order Specify:	Catalog Number		
• Class Number	Class	Type	Voltage Code
• Type Number			
• Voltage Code			
(See Table 3 on page 1)	8501	CO6	V20

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Enclosure Dimensions



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