

List Price \$152.00 USD

Availability **Stock Item: This item is normally stocked in our distribution facility.**

Technical Characteristics

Approvals	UL Listed File: E78403 CCN NKCR - CSA Certified File: LR60905 Class 321103 - CE Marked
Catalog Reference Number	8501CT9601
Ampere Rating	10A
Application	Heavy-duty design with modular construction
Type	X
Height	3.50 Inches
Relay Type	Control
Depth	3.95 Inches
Width	2.23 Inches
Terminal Type	Screw Clamp
Mounting Type	Panel
Number of Poles	4-Pole
Maximum Voltage Rating	600VAC
Operating Times	Pick-Up: 15ms - Drop-Out: 16ms
Phase	1-Phase
Contact Configuration	4 N.O.
Contact Rating	A600
Features	Straight-through wiring; Plug-in contact cartridges; Self-lifting pressure wire connectors; Replaceable coil
Coil Voltage	220VAC@50Hz - 240VAC@60Hz
Weight	2.0 Pounds

Shipping and Ordering

Category	21158 - Relays, Industrial Control, NEMA, AC, Type XO
Discount Schedule	CP1
Article Number	785901536758
Package Quantity	1
Weight	2.15 lbs.
Availability Code	Stock Item: This item is normally stocked in our distribution facility.
Returnability	Y

As standards, specifications, and designs change from time to time, please ask for confirmation of the information given in this document.



Type XMO40 Control Relay

AC Control Relays

- Straight-through wiring
- Plug-in contact cartridges for easy contact conversion and replacement
- Contact conversion without removing terminal screws or wires
- Self-lifting pressure wire connectors
- Replaceable coil

Table 23.103: AC Control Relays

Normally Open Convertible Instantaneous Contacts	Control Relay ▲	
	Type ♦	\$ Price
0	XO00	77.00
2	XO20	114.00
3	XO30	134.00
4	XO40	152.00
6	XO60	191.00
8	XO80	228.00
10	XO1000	266.00
12	XO1200	305.00

▲ A maximum of 8 N.C. contacts is allowed on 9–12 pole relays.



Type XMO40 Master Relay

AC Master Relays

- 20 ampere contact rating due to use of master contact cartridges. ★
- Provisions for standard cartridges to be used in contact cavities not occupied by master cartridges in 2-8 pole AC relay.

Table 23.104: AC Master Relays

Number of N.O. 20 Ampere Convertible Contacts	Open Type ■	
	Type ♦	\$ Price
2	XMO20	171.00
4	XMO40	266.00
6	XMO60	362.00

■ Attachments not permitted on this relay.

AC Timing Relays

- Easily convertible On Delay or Off Delay
- Two adjustable timing ranges
- Repeat accuracy well above ±10%
- Convertible 1 N.O. and 1 N.C. timed contacts
- Large knob for easy adjustment of time delay
- Off Delay mode times out even after loss of power.

Table 23.105: AC Timing Relays

Timing Mode	N.O. Convertible Instantaneous Contacts	Timed Convertible Contacts		Timing Relay		\$ Price
		N.O.	N.C.	0.2–60 s		
				Type ♦	Type ♦	
On Delay	0	1	1	XO00XTE1	XO00XTE2	342.00
	2	1	1	XO20XTE1	XO20XTE2	380.00
	4	1	1	XO40XTE1	XO40XTE2	419.00
Off Delay	0	1	1	XO00XTD1	XO00XTD2	342.00
	2	1	1	XO20XTD1	XO20XTD2	380.00
	4	1	1	XO40XTD1	XO40XTD2	419.00

AC Latching Relays

- Mechanical latch holds all contacts switched even after removal of power from replaceable latching coil.
- Provides sequence memory in the event of power loss. Ideal for press control, process control and punch presses.
- Replaceable unlatch coil to switch contacts back to original state.
- Continuously rated unlatch coil (no coil clearing contacts required).

Table 23.106: AC Latching Relays

N.O. Convertible Instantaneous Contacts	Latching Relay	
	Type ♦	\$ Price
2	XO20XL	248.00
3	XO30XL	266.00
4	XO40XL	285.00
6	XO60XL	323.00
8	XO80XL	362.00

♦ Voltage Code must be specified to order these products. Refer to Table 23.109 and insert the code as shown in Table 23.112: How to Order.

Approvals:



File E78403
CCN NKCR



File LR60905
Class 321103



Table 23.107: AC Contact Ratings
(for DC ratings, see page 23-25)

Type of Cartridge	V	Inductive 35% Power Factor				Resistive 75% Power Factor		
		NEMA Rating	Make		Break			
			A	VA	A		VA	
Standard or Overlapping	120 240 480 600	A600	60 30 15 12	7200	6 3 1.5 1.2	720	10	10
Master★	—	A600	Same as standard cartridge above except substitute 20 A for the continuous ampere rating					
Logic Reed	—	—	150 Vac, 150 mA, 8 W Maximum					

★ Maximum of six 8501 Type XC4 Master Cartridges may be used on only 7 and 8 pole AC Devices

Table 23.108: Average Operating Time (ms)

Device	Pick-Up	Drop-Out
AC Relay	15	16
AC Latching Relay	15	13

Table 23.109: Voltage Codes

AC Voltages - Hz	Code
12–60	V11
24–60	V01
24–50	V12
48–60	V18
48–50	V16
120–60/110–50	V02
208–60	V08
240–60/220–50	V03
277–60	V04
480–60/440–50	V06
600–60/550–50	V07

AC Control Relays and AC Master Relays

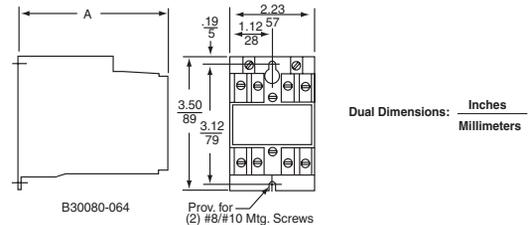


Table 23.110: Dimensions and Weight

No. of Poles	Dim. A		Shipping Weight, lb
	in.	mm	
0–4	3.95	100	2.0
6–8	5.16	131	2.3
10–12	6.36	162	2.7

AC Latching Relay Dimensions

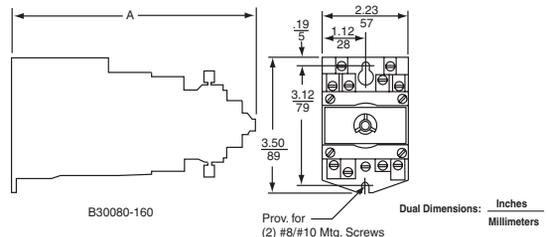


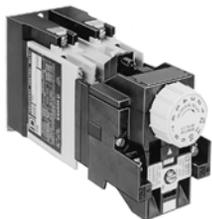
Table 23.111: Dimensions and Weight

No. of Poles	Dim. A		Shipping Weight, lb
	in.	mm	
2–4	6.54	166	2.8
6–8	7.74	197	3.1

For replacement coils, see page 23-26.

Table 23.112: How to Order

To Order Specify:	Catalog Number		
• Class Number	Class	Type	Voltage Code
• Type Number	8501	XO40	V02
• Voltage Code			



Type XO40XTE1 Timing Relay



Type XO40XL Latching Relay