

List Price \$266.00 USD

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

Approvals	UL Listed File Number E78403 CCN NKCR - CSA Certified File Number LR60905 Class 321103 - CE Marked
Marketing Trade Name	Square D
Application	Heavy-duty design with modular construction
Type	X
Timing Mode	On Delay
Timing Range	0.2 to 60 Seconds
Phase	1-Phase

Shipping and Ordering

Category	21159 - Relays, Accessories, Industrial Control, NEMA, Type X
Discount Schedule	CP1
Article Number	785901537342
Package Quantity	1
Weight	0.79 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.

Table 23.123: Type X® Relays

	Description	Type	\$ Price	
	Mechanical Latch Attachment —Mounts on any 2 through 8-pole relay (except XMO master relay). The Type XL and XDL latch attachments are identical in size and mounting provisions. The Type XLAC latch attachment has a continuous-duty-rated coil which is replaceable. The Type XDLDC latch attachment has an intermittent-rated coil (replaceable) and should be connected through a N.O. contact of the basic relay if the input signal is maintained to the unlatch coil. AC Latch Attachment DC Latch Attachment	XL▲ XDL▲	134.00 176.00	
	Pneumatic Timer Attachment —Mounts only on any 0 through 4-pole AC or DC relays (except XMO master relay). It provides 1 N.O. and 1 N.C. convertible timed contacts, which are the same Type XC1 cartridges used on the basic relay. Two timing ranges are available, and conversion from On Delay to Off Delay or vice versa is easy. Off Delay 0.2–60 seconds 5–180 seconds On Delay 0.2–60 seconds 5–180 seconds	XTD1 XTD2 XTE1 XTE2	266.00 266.00 266.00 266.00	
	Timer Lockout Cover —Fits over the time delay adjustment knob of any Type XT timing attachment. The Lockout Cover is designed to protect the time setting against accidental adjustment. It mounts directly to the timing attachment with two included screws.	XJ1	7.10	
	Adder Decks —Adder decks are used to expand the number of poles on a relay. The basic 4-pole relay can be easily converted to an 8-pole or 12-pole relay by installing one or two adder decks. The Class 8501 Type XB20 comes with 2 convertible contact cartridges and will accept 2 additional convertible contact cartridges. The Class 8501 Type XB40 comes with 4 convertible contact cartridges. The same Type XB adder deck is used for both the middle and upper decks of the AC or DC relay. With 2 N.O. contact cartridges With 4 N.O. contact cartridges	XB20 XB40	38.00 77.00	
	Logic Reed Adder Deck —Used for switching low energy circuits. The Logic Reed Adder Deck is supplied with either one or two logic reed cartridges fixed into the center positions of an adder deck. Contact cartridges are neither convertible nor replaceable. Standard cartridges can be inserted in unused cavities of the Logic Reed Adder Deck. One or two Logic Reed Adder Decks may be added to the basic 4-pole relay. See Contact Rating Data on pages 23-5 and 23-6 for electrical ratings.	Number of N.O. Logic Reed Contact Cartridges 2 1 1 0 0 Number of N.C. Logic Reed Contact Cartridges 0 1 0 1 2	XBR20 XBR11 XBR10 XBR01 XBR02	105.00 105.00 52.00 52.00 105.00
	Contact Cartridges —The Type X relay offers 4 Types of contact cartridges. All are color-coded for visual identification of each Type. Standard Cartridge —The standard cartridge, used for most applications, has a black case. Overlapping Cartridge —Same NEMA Type A600 AC rating as standard cartridge and a NEMA Type P150 DC rating. When it is used in the N.O. mode it will close early and when used in the N.C. mode it will open late. If two or more are used together, the N.O. contacts will close before the N.C. contacts open as the relay picks up. Overlap also occurs during dropout. Overlapping cartridge has a red case. May be ordered factory installed: • Substitute 1 N.O. and 1 N.C. overlapping cartridges for 2 standard cartridges. • Substitute 2 N.O. and 2 N.C. overlapping cartridges for 4 standard cartridges. • Substitute 3 N.O. and 3 N.C. overlapping cartridges for 6 standard cartridges. • Substitute 4 N.O. and 4 N.C. overlapping cartridges for 8 standard cartridges. Master Cartridge —Features the same contact ratings as the Type XC1 standard cartridge except it has a 20 ampere continuous current rating instead of 10 amperes. It can be used in circuits where a master relay is required. Master cartridge has a blue case. Maximum of 6 master cartridges may be used on any 7 and 8-pole AC relays. Do not use any master cartridges on 9-12-pole AC or any DC-operated devices. Note: If master cartridges are added to a standard relay, attachments (latch mechanism, timers, etc.) cannot be used. Logic Reed Cartridge —See logic reed adder deck above.	XC1 XC2 XC4	19.10 19.10 47.60	
	Mounting Track —The mounting track has pre-punched mounting holes to simplify mounting the track on the control panel. The relay mounting screws are factory installed on the track so that the relays can be hung prior to tightening the screws. 9 in. long for 4 relays 18 in. long for 8 relays 27 in. long for 12 relays 36 in. long for 16 relays	XM4 XM8 XM12 XM16	15.60 23.60 28.80 33.90	
	Manual Test Tool —Provides a means of manually switching the contacts of a basic relay or timing relay and holding all contacts in their switched state until the tool is removed. This simplifies the checking of control circuits without power on the coil or contacts.	XA1	4.80	
	Transient Suppressor —Consists of an R-C circuit designed to suppress coil generated transients to approximately 200 percent of peak voltage. It is particularly useful when switching the Type X relay near solid state equipment. It is designed for use on coils up to 120 Vac.	XS1	38.00	
	NEMA 1 Enclosure —Formed from sheet steel to provide strength and rigidity. Two conduit knockouts are located in both the top and bottom of the enclosure. The enclosure is furnished with self tapping screws for mounting the relay inside the enclosure. Accommodates a single 4 or 8-pole AC or DC relay, 12-pole AC relay, 4-pole AC latching relay, and 4-pole AC timing relay. Note: The 4-pole DC latching relay, 4-pole DC timing relay, 8-pole AC and DC latching relays and 12-pole utility auxiliary relay will not fit.	Class 9991 Type UE7	66.00	

▲ See Mechanical Latch Attachment Voltage Codes table below:

Table 23.124: Mechanical Latch Attachment Voltage Codes

AC Voltage	Code	DC Voltage	Code
24–60	V01	6	V50
24–50	V12	12	V51
120–60/110–50	V02	18	V99
208–60	V08	24	V53
240–60/220–50	V03	48	V56
277–60	V04	72	V58
480–60/440–50	V06	90	V59
600–60/550–50	V07	115/125 230/250	V62 V66

Table 23.125: How to Order

To Order Specify:	Catalog Number	
• Class Number	Class	Type
• Type Number	8501	XTE1
• Voltage Code for mechanical latch attachment		
• Form for factory installed overlapping contacts		

Table 23.126: Relay Coil Selection and Pricing

Device Type	Equipment To Be Serviced		Coil Prefix, or Class and Type	Hz	SUFFIX (The complete coil number consists of prefix or the Class and Type, followed by suffix.)													Coil Burden Watts	\$ Price
	Class	Type			6 V	12 V	18 V	24 V	32 V	48 V	64 V	72 V	90 V	110 V	115/125 V	220 V	230/250 V		
DC	8501	XD	9998 XD	—	19	28	34	37	40	46	49	52	55	—	58	—	67	18	122.00
		XDL	9998 XDL	—	19	28	34B	37B	40B	46B	49B	52B	55B	—	58B	—	67B	50	156.00
		XUD	9998 XUD	—	19	28	—	37	—	46	—	—	—	—	58★	—	67♦	16	122.00
Device Type	Equipment To Be Serviced		Coil Prefix or Class and Type	SUFFIX													Coil Volt-Amperes		\$ Price
	Class	Type		—	24 V	110-115 V	120 V	208 V	220 V	240 V	277 V	380 V	440 V	480 V	550 V	600 V	In-rush	Sealed	
AC	8501	XO, XMO	9998 X■	60	23	—	44	51	52	53	55	—	—	62	—	65	148	23	49.80
				50	24	44	—	52	53	—	—	62	—	65	—	143	25		

■ To order an unlatch coil add the letter "L" to the type number and the letter "B" to the suffix number. Example: for a 120 V 60 Hz unlatch coil order a Class 9998 Type XL44B.

♦ Not dual rated—250 Vdc only
★ 125 Vdc only