



Internal Auxiliary



External Single-Circuit Auxiliary Contact

Auxiliary Contacts for Manual and Magnetic Contactors and Starters

Internal Contacts

Class 9999 Type SX11 internal contact kit is a replacement unit for the N.O. holding circuit contact supplied as standard on Type S Sizes 00–2 three phase starters and contactors. The Class 9999 Type SX12 is a replacement unit for the N.C. electrical contact which is furnished as standard on Type S, Sizes 00–2 mechanically interlocked devices (e.g., Class 8736 reversing starters). Internal contacts are also used on Class 2510 Types M & T manual starters. The internal contacts can be used for other applications as long as the electrical rating is not exceeded. See Table 16.341 for electrical ratings.

External Contacts

Class 9999 Type SX6 external auxiliary contact is supplied as standard for the N.O. holding circuit contact on Type S Sizes 3–7 starters and contactors. Additional auxiliary contacts can be added to Type S contactors, starters and lighting contactors. These contacts mount on either side of the basic contactor and are available with convertible or non-convertible contacts. The contacts of the convertible version can be changed from N.O. to N.C. or vice versa in the field. The non-convertible version has fixed contacts, either N.O. or N.C.

To determine the number of auxiliary contacts that can be added to each Type S contactor or starter, refer to the Class 8536 or Class 8736 section.

See Table 16.341 for electrical ratings.

Table 16.341: Maximum Ratings for Type S Auxiliary Contacts and Timers

Class 9999 Type	Contact Ratings				Class 9999 Type	Contact Ratings			
	Volts AC	AC Only (35% Power Factor)		Continuous		Volts AC	AC Only (35% Power Factor)		Continuous
		Make	Break				Make	Break	
SX11, SX12	120 or Less	30 A	3 A	3 A	SX6-SX10 SX13-SX16	120 or Less	60 A	6 A	10 A
	120-600	3600 VA	360 VA	3 A		120-600	7200 VA	720 VA	10 A

Table 16.342: Class 8502, 8536 and 8903 Type S

For Use With		Kit Description	Ordering Information
Type	NEMA Size		Class 9999
			Type
External—Field Convertible			
SA-SJ	00-7	1-N.O. Contact	SX6
		1-N.C. Contact	SX7
		1-N.O. and 1-N.C. Isolated Contacts	SX8
		1-N.O. Overlapping Contact	—
		1-N.C. Overlapping Contact	SX10 [7]
External—Non-Convertible			
SA-SJ	00-7	1-N.O. Contact	SX13
		1-N.C. Contact	SX14
		1-N.O. & 1 N.C. Isolated Contacts	—
		1-N.O. Overlapping Contact	—
		1-N.C. Overlapping Contact	—
Internal—Non-Convertible			
SA-SD	00-2	1-N.O. Contact	SX11 [8]
		1-N.C. Contact	SX12 [8]

Table 16.343: Class 8965 Reversing/Hoist Contactors—Auxiliary Contacts

Device To Be Serviced	Auxiliary Contact Kit		
Class 8965 Type	Contact Arrangement	Type of Connector	Class 9999 Type
DPR	1 N.O.	Screw/ Quick-Connect	D10
	1 N.C.		D01
	1 N.O./1 N.C.		D11
	2 N.O.		D20
RO2 & RG2 RO10 Form X1 RO11 Form X1	1 N.O. each side	Slip-on	—
RO3 & RG3 RO10 Form X2 RO11 Form X2	1 N.C. each side		—
RO5 & RG5 RO12 Form X1 RO13 Form X1	1 N.O. each side	Screw	—
RO6 & RG6 RO12 Form X2 RO13 Form X2	1 N.C. each side		—

Table 16.344: Class 8910 and 8911 Definite Purpose Contactors and Starters—Auxiliary Contacts

Device To Be Serviced	Auxiliary Contact Kit		
Class 8910 or 8911 Type	Contact Arrangement	Class 9999	
		Series B (20–90 A)	Series C (20–40 A)
DPA DPS	1 N.O.	D10	DD10
	1 N.C.	D01	DD01
	1 N.O./1 N.C.	D11	DD11
	2 N.O.	D20	DD20

Table 16.345: How to Order

To Order Specify:	Catalog Number	
• Class Number	Class	Type
• Type Number	9999	SX6

[7] Type SX10 must be used together and mounted on the same side of the contactor. They are suitable for applications where it is necessary for a normally open contact to overlap a normally closed contact.

[8] Types SX11 and SX12 are not for use on NEMA Sizes 3 or larger. Internal contacts can also be used on Class 2510 Types M and T manual starters.