

Surge Suppressors

Recommended Surge Suppressors

Use the Allen-Bradley surge suppressors shown in the following table for use with relays, contactors, and starters.

Table 3 - Recommended Surge Suppressors

Device	Coil Voltage	Suppressor Catalog Number	Type ⁽¹⁾
Bulletin 100/104K 700K	24...48V AC	100-KFSC50	RC
	110...280V AC	100-KFSC280	
	380...480V AC	100-KFSC480	
	12...55 V AC, 12...77V DC	100-KFSV55	MOV
	56...136 VAC, 78...180V DC	100-KFSV136	
	137...277V AC, 181...250 V DC	100-KFSV277	
		12...250V DC	100-KFS0250
Bulletin 100C, (C09...C97)	24...48V AC	100-FSC48 ⁽²⁾	RC
	110...280V AC	100-FSC280 ⁽¹⁾	
	380...480V AC	100-FSC480 ⁽¹⁾	
	12...55V AC, 12...77V DC	100-FSV55 ⁽¹⁾	MOV
	56...136V AC, 78...180V DC	100-FSV136 ⁽¹⁾	
	137...277V AC, 181...250V DC	100-FSV277 ⁽¹⁾	
		278...575V AC	100-FSV575 ⁽¹⁾
	12...250V DC	100-FSD250 ⁽¹⁾	
Bulletin 509 Motor Starter Size 0...5	12...120V AC	599-K04	MOV
	240...264V AC	599-KA04	
Bulletin 509 Motor Starter Size 6	12...120V AC	199-FSMA1 ⁽³⁾	RC
	12...120V AC	199-GSMA1 ⁽⁴⁾	MOV
Bulletin 700 R/RM Relay	AC coil	Not Required	
	24...48V DC	199-FSMA9	MOV
	50...120V DC	199-FSMA10	
	130...250V DC	199-FSMA11	
Bulletin 700 Type N, P, PK or PH Relay	6...150V AC/DC	700-N24	RC
	24...48V AC/DC	199-FSMA9	MOV
	50...120V AC/DC	199-FSMA10	
	130...250V AC/DC	199-FSMA11	
	6...300V DC	199-FSMZ-1	Diode
Miscellaneous electromagnetic devices limited to 35 sealed VA	6...150V AC/DC	700-N24	RC

(1) RC Type not to be used with Triac outputs.

Varistor is not recommended for use on the relay outputs.

(2) Catalog numbers for screw-less terminals include the string CR after 100-

For example: Catalog number 100-FSC48 becomes catalog number 100-CR~~F~~SC48; Catalog number 100-FSV55 becomes 100-CR~~F~~SV55; and so on.

(3) For use on the interposing relay.

(4) For use on the contactor or starter.