

Table 6.1 EMA SPDs (cont'd.)

Service Voltage	Peak Surge Current Rating per Phase (kA)	NEMA 1 Cat. No.	NEMA 4X Stainless Steel Cat. No.
600Y/347 V, 3-phase, 4-wire + ground, [6] [7] WYE	120	SSP08EMA12()	SSP08EMA12S()
	160	SSP08EMA16()	SSP08EMA16S()
	240	SSP08EMA24()	SSP08EMA24S()
	320	SSP08EMA32()	SSP08EMA32S()
	480	SSP08EMA48()	SSP08EMA48S()
600 V, 3-phase, 3-wire + ground [8] Delta	100	SSP09EMA10()	SSP09EMA10S()
	120	SSP09EMA12()	SSP09EMA12S()
	160	SSP09EMA16()	SSP09EMA16S()
	180	SSP09EMA18()	SSP09EMA18S()
	240	SSP09EMA24()	SSP09EMA24S()
	320	SSP09EMA32()	SSP09EMA32S()

External Modular Options ()

(D) [9]	Disconnect Switch
(F)	Enhanced Filtering Module (not applicable for Delta, HRG or HLD)
(DF) [9]	Disconnect Switch and Enhanced Filtering Module (not applicable for Delta, HRG or HLD)

Accessory Description	Cat. No.
Remote Monitor	TVS12RMU

Replacement Modules

All module assemblies are US and Canadian UL® Recognized to UL 1449 standards. Complies with requirements of NEC® Article 285 and CSA C22.2 No. 8-M1986 as appropriate.



Wye Replacement Module



Delta/HRG Replacement Module

Table 6.2: EMA Replacement Modules

System Voltage	Peak Surge Current Rating (kA)	Catalog Numbers [10]		
		Phase A	Phase B	Phase C
120/240 V, 1-phase, 3-wire + ground	120	MA11MA12	—	MA11MA12
	160	MA11MA16	—	MA11MA16
	240	MA11MA24	—	MA11MA24
208Y/120 V, 3-phase, 4-wire + ground [11] Wye	120	MA11MA12	MA11MA12	MA11MA12
	160	MA11MA16	MA11MA16	MA11MA16
	240	MA11MA24	MA11MA24	MA11MA24
240/120 V, 3-phase, 4-wire + ground [12] High-Leg Delta	120	MA11MA12	MA31MA12	MA11MA12
	160	MA11MA16	MA31MA16	MA11MA16
	240	MA11MA24	MA31MA24	MA11MA24
240 V, 3-phase, 3-wire + ground Delta	100	MA61MA10	MA61MA10	MA61MA10
	120	MA61MA12	MA61MA12	MA61MA12
	160	MA61MA16	MA61MA16	MA61MA16
	200	MA61MA20	MA61MA20	MA61MA20
	240	MA61MA24	MA61MA24	MA61MA24
480Y/277 V, 3-phase, 4-wire + ground [13] Wye	120	MA41MA12	MA41MA12	MA41MA12
	160	MA41MA16	MA41MA16	MA41MA16
	240	MA41MA24	MA41MA24	MA41MA24
480 V, 3-phase, 3-wire + ground [14] Delta	100	MA51MA10	MA51MA10	MA51MA10
	120	MA51MA12	MA51MA12	MA51MA12
	160	MA51MA16	MA51MA16	MA51MA16
	200	MA51MA20	MA51MA20	MA51MA20
	240	MA51MA24	MA51MA24	MA51MA24
600Y/347 V, 3-phase, 4-wire + ground Wye	120	MA81MA12	MA81MA12	MA81MA12
	160	MA81MA16	MA81MA16	MA81MA16
	240	MA81MA24	MA81MA24	MA81MA24
	100	MA91MA10	MA91MA10	MA91MA10
600 V, 3-phase, 3-wire + ground [8] Delta	120	MA91MA12	MA91MA12	MA91MA12
	160	MA91MA16	MA91MA16	MA91MA16
	180	MA91MA18	MA91MA18	MA91MA18

[6] Do not use on ungrounded systems. Systems must be solidly grounded.
 [7] Can be used on 4-wire or 3-wire grounded wye systems with or without neutral.
 [8] 600 V Delta series also applies to the following voltage 600Y/347V HRG.
 [9] Not available in stainless steel for 320 and 480 kA.
 [10] For UL 1449 Type 1 Modules, add suffix (1). Example: MA11MA121
 [11] 208Y/120 series also applies to the following voltage 220Y/127.
 [12] High-leg delta (Phase B modules are different than Phase A and Phase C modules).
 [13] 480Y/277 series applies to the following voltages 380Y/220, 400Y/230, and 415Y/240.
 [14] 480 V Delta series also applies to the following voltage 480Y/277V HRG.