Table 6.1: EMA SPDs

Service Voltage	Peak Surge Current Rating per Phase (kA)	NEMA 1 Cat. No.	NEMA 4X Stainless Steel Cat. No.
120/240 V, 1-phase, 3-wire + ground *[2]*	120 160 240 320 480	SSP01EMA12( ) SSP01EMA16( ) SSP01EMA24( ) SSP01EMA32( ) SSP01EMA48( )	SSP01EMA12S( ) SSP01EMA16S( ) SSP01EMA24S( )
208Y/120 V, 3-phase, 4-wire + ground *[3] [4] [2]* Wye	120 160 240 320 480	SSP02EMA12( ) SSP02EMA16( ) SSP02EMA24( ) SSP02EMA32( ) SSP02EMA48( )	SSP02EMA12S( ) SSP02EMA16S( ) SSP02EMA24S( )
240/120 V, 3-phase, 4-wire + ground *[2]* High-leg Delta	120 160 240 320 480	SSP03EMA12( ) SSP03EMA16( ) SSP03EMA24( ) SSP03EMA32( ) SSP03EMA48( )	SSP03EMA12S( ) SSP03EMA16S( ) SSP03EMA24S( ) — —
240 V, 3-phase, 3-wire + ground Delta	100 120 160 200 240 320 480	SSP06EMA12( ) SSP06EMA16( ) SSP06EMA24( ) SSP06EMA32( ) SSP06EMA48( )	SSP06EMA12S( ) SSP06EMA16S( ) SSP06EMA24S( )
480Y/277 V, 3-phase, 4-wire + ground *[4] [5] [2]* Wye	120 160 240 320 480	SSP04EMA12( ) SSP04EMA16( ) SSP04EMA24( ) SSP04EMA32( ) SSP04EMA48( )	SSP04EMA12S( ) SSP04EMA16S( ) SSP04EMA24S( )
480 V, 3-phase, 3-wire + ground *[6]* Delta	100 120 160 200 240 320 480	SSP05EMA12( ) SSP05EMA16( ) SSP05EMA24( ) SSP05EMA32( ) SSP05EMA48( )	SSP05EMA12S( ) SSP05EMA16S( ) SSP05EMA24S( )
600Y/347 V, 3-phase, 4-wire + ground, *[2] [4]* WYE	120 160 240 320 480	SSP08EMA12( ) SSP08EMA16( ) SSP08EMA24( ) SSP08EMA32( ) SSP08EMA48( )	SSP08EMA12S( ) SSP08EMA16S( ) SSP08EMA24S( )
600 V, 3-phase, 3-wire + ground *[7]* Delta	100 120 160 180 240 320	SSP09EMA12( ) SSP09EMA16( ) SSP09EMA24( ) SSP09EMA32( )	SSP09EMA12S( ) SSP09EMA16S( ) SSP09EMA24S( )

New!

SurgeLogic™ Type XDSE Surge Protective Devices

XDSE Series

SurgeLogic™ XDSE surge protective devices feature a compact design that allows surge suppression to be externally installed adjacent to electrical distribution equipment. XDSE systems are designed to provide high-quality surge suppression for a wide variety of commercial, industrial or institutional applications. XDSEs incorporate patented overvoltage technology innovations that provide superior overvoltage withstand capability for systems with unstable power, without compromising transient clamping performance.
US and Canadian UL Listed to the UL 1449 standard. Complies with requirements of NEC Article 285 and CSA 22.2 269.1 and 269.2 as appropriate. Complies with UL 96A 12th Edition Master Label requirements for Lightning Protection Systems

- LED light indicates operation status
- Short circuit current rating up to 200 kA
- Suitable for indoor and outdoor applications (NEMA Type 4X rated)
- Convenient lug connection inside enclosure
- -50db EMI/RFI filtering
- Audible alarm
- Dry contacts
- Optional flush mount kit: XDSEMKF

Table 6.2: XDSE Surge Protective Devices

Voltage	Surge Current per Phase	Configuration	Model Number	MCOV	I_n	L-N	L-G	N-G	L-G
120/240V	100	1Ø, 3–wire + ground	SSP01XDSE10A( )	150V	20 kA	700V	700V	600V	1000V
208Y/120V *[8]*	100	3Ø, WYE, 4–wire + ground	SSP02XDSE10A( )	150V	20 kA	700V	700V	600V	1000V
240/120 HLD	100	3Ø, HLD*[9]*, 4–wire + ground	SSP03XDSE10A( )	150/320V	20 kA	700/1200V	700V	600V	1000/2000V
480Y/277V *[10]*	100	3Ø, Wye, 4–wire + ground	SSP04XDSE10A( )	320V	20 kA	1200V	1200V	1200V	2000V
480V Delta *[11]*	100	3Ø, Delta, 3–wire + ground	SSP05XDSE10A( )	552V	20 kA	N/A	1800V	N/A	2000V
240V Delta	100	3Ø, Delta, 3–wire + ground	SSP06XDSE10A( )	300/320V	20 kA	N/A	320 V	300 V	N/A
600Y/347V	100	3Ø, WYE, 4–wire + ground	SSP08XDSE10A( )	420V	20 kA	1500V	1500V	1500V	2500V

[2] Do not use on ungrounded systems. Systems must be solidly grounded.
[3] 208Y/120 series also applies to the following voltage 220Y/127.
[4] Can be used on 4-wire or 3-wire grounded wye systems with or without neutral.
[5] 480Y/277 series applies to the following voltages 380Y/220, 400Y/230, and 415Y/240.
[6] 480 V Delta series also applies to the following voltage 480Y/277V HRG.
[7] 600 V Delta series also applies to the following voltage 600Y/347V HRG.
[8] 208Y/120 series also applies to the following voltage 220Y/127.
[9] HLD= High-leg delta.
[10] 480Y/277 series also applies to the following voltages 380Y/220, 400Y/230, and 415Y/240.
[11] 480V Delta series also applies to the following voltage 480Y/277V HRG.