

Table 6.2 XDSE Surge Protective Devices (cont'd.)

Voltage	Surge Current per Phase	Configuration	Model Number	MCOV	I _n	L-N	L-G	N-G	L-G
600V Delta [12]	100	1Ø, 3-wire + ground	SSP09XDSE10A()	690V	20 kA	N/A	2500V	2500V	N/A
120/240 V	150	1Ø, 3-wire + ground	SSP01XDSE15A()	150V	20 kA	700V	700V	600V	1000V
208Y/120V [13]	150	3Ø, WYE, 4-wire + ground	SSP02XDSE15A()	150V	20 kA	700V	700V	600V	1000V
120/240V HLD	150	3Ø, HLD [14], 4-wire + ground	SSP03XDSE15A()	150/320V	20 kA	700/1200V	700/1200V	600V	1000/2000V
480Y/277V [15]	150	3Ø, WYE, 4-wire + ground	SSP04XDSE15A()	320V	20 kA	1200V	1200V	1200V	2000V
480V Delta [16]	150	3Ø, Delta, 3-wire + ground	SSP05XDSE15A()	552V	20 kA	N/A	1800V	N/A	2000V
240V Delta	150	3Ø, Delta, 3-wire + ground	SSP06XDSE15A()	300/320V	20 kA	N/A	320V	300V	N/A
600Y/347V	150	3Ø, WYE, 4-wire + ground	SSP08XDSE15A()	420V	20 kA	1500V	1500V	1500V	2500V
120/240V	200	1Ø, 3-wire + ground	SSP01XDSE20A()	150V	20 kA	700V	700V	600V	1000V
208Y/120V [13]	200	3Ø, WYE, 4-wire + ground	SSP02XDSE20A()	150V	20 kA	700V	700V	600V	1000V
240/120 HLD	200	3Ø, HLD [14], 4-wire + ground	SSP03XDSE20A()	150/320V	20 kA	700/1200V	700V	600V	1000/2000V
480Y/277V [15]	200	3Ø, Wye, 4-wire + ground	SSP04XDSE20A()	320 V	20 kA	1200V	1200 V	1200V	2000 V
480V Delta [16]	200	3Ø, Delta, 3-wire + ground	SSP05XDSE20A()	552V	20 kA	N/A	1800V	N/A	2000V
240V Delta	200	3Ø, Delta, 3-wire + ground	SSP06XDSE20A()	300/320V	20 kA	N/A	320V	300V	N/A
600Y/347V	200	3Ø, WYE, 4-wire + ground	SSP08XDSE20A()	420V	20 kA	1500V	1500V	1500V	2500V

() For a Type 1 SPD, add a "1" suffix to the catalog number.

SDSA1175, SDSA 3-Phase, and Model 420 Surge Protective Devices

SurgeLogic™ SDSA1175 surge protective devices are designed and listed for indoor or outdoor installation and surge suppression for single-phase three-wire 120/240 Vac or two-wire 120 Vac 60 Hz electrical services. This product is ideal for panel builders as well as manufacturers and integrators of instrumentation cabinets for industrial and commercial applications for single-phase power systems. Two SDSA1175 surge protection devices can be installed to provide suppression for 208Y/120 Vac three-phase four-wire services.

SurgeLogic™ SDSA 3-Phase surge protective devices are designed and listed for indoor or outdoor installation and surge suppression for three-phase electrical services up to 600 Vac. The SDSA 3-Phase series is used extensively in service entrance panels to provide an efficient and economical means of surge suppression and also ideal for point of use applications for that added level of protection.

US and Canadian UL® Listed as Type 1 SPD to the UL 1449 standard. Complies with requirements of NEC® Article 285, CSA 233.1-87, and CSA C22.2 No. 8-M1986 as appropriate.

- LED indicates operational status
- Short circuit current rating 25 kA (SDSA1175), 200 kA (SDSA 3-Phase)
- Suitable for indoor and outdoor applications (NEMA Type 4X rated)
- Convenient back-nipple mounting
- Optional mounting bracket QOSAMK (for SDSA1175 / SDSA1175T)



SDSA1175



SDSA 3-Phase

Table 6.3: SDSA1175 and SDSA 3-Phase Surge Protective Devices

System Voltage	Peak Surge Current Rating per Phase (kA)	Cat. No.
SDSA1175		
120/240 V, 1-phase, 3-wire	36	SDSA1175
120 V, 1-phase, 2-wire	36	SDSA1175T
SDSA 3-Phase		
208Y/120 V 3-phase, 4-wire	40	SDSA2040
240 V Delta, 3-phase, 3 wire	40	SDSA2040D
480Y/277 V, 3-phase, 4-wire	40	SDSA4040
480 V Delta, 3-phase, 3-wire	40	SDSA4040D
600Y/347 V, 3-phase, 4-wire	40	SDSA3650
600 V Delta, 3-phase, 3-wire	40	SDSA3650D

[12] 600 V Delta series also applies to the following voltages 600Y/347V HRG.

[13] 208Y/120 series also applies to the following voltage 220Y/127.

[14] HLD= High-leg delta.

[15] 480Y/277 series also applies to the following voltages 380Y/220, 400Y/230, and 415Y/240.

[16] 480V Delta series also applies to the following voltage 480Y/277V HRG.