



**Schneider Electric has a comprehensive offering of surge protective devices (SPDs) for full facility protection.**

### Square D and ASCO SPDs, by Schneider Electric

- UL1449 Fourth Edition Listed
- ANSI/IEEE C62.41.1-2002, C62.41.2-2002, C62.45-2002, C62.62-2010, C62.72-2016, IEEE SA 1100-2005
- NEC® Articles 242, 620.51(E), 645.18, 670.6, 695.15, 700.8 and 708 requiring SPDs
- Complies with UL 96A 12th Edition master label and NFPA 780 - lightning protection

### ACTIVE SURGE MONITOR

- Web Based Voltage Monitoring
- Email Notification
- Voltage Sags and Swells Recorded
- Ethernet Connectible
- Time and Date Stamp of Recorded Events
- Voltage Harmonic Distortion to 13th Harmonic
- 2,000+ Stored Event Logging Capability



See data sheet for more detail (DS-70116)

Model
Previous Series
Enclosure Type
Per Phase Minimum
Per Phase Maximum
Modes of Protection
LED Status Indicators
Alarm & Dry Contacts
Flush Mount Kit
UL 1283 Filter (Type 2)
Surge Counter
Integral Disconnect
Advanced Monitoring (Active Surge Monitor)
Replaceable Modules

EXTERNAL						
SDSA	420	425	XDSE	440	EMA	460
	SPDee/S50A	XCS	XDS/430			XAS
NEMA 4X Polycarb	NEMA 4X Polycarb	NEMA 4X Polycarb	NEMA 4X Polycarb	NEMA 4X Polycarb	NEMA 1 Metal	NEMA 4 Metal
40kA	50kA	100kA	100kA	100kA	120kA	100kA
40kA	50kA	100kA	200kA	300kA	480kA	600kA
3	4	ALL	ALL	ALL	ALL	ALL
✓	1	✓	✓	✓	✓	✓
		✓	✓	✓	✓	✓
		✓	✓	✓	✓	
			✓	✓		✓
				✓	Std. w/ NEMA 4X Stainless	✓
				✓		✓
					✓	✓

INTERNAL	
SurgeLoc™	IMA
N/A	N/A
80kA	120kA
240kA	480kA
ALL	ALL
✓	✓
✓	✓
✓	✓
✓	✓
Breaker Option	Breaker Option
✓	✓

SDSA & Model 420 Catalog Numbers				
Voltage	SDSA 3Ø		Model 420	
120/240V Single Ø	-	3.0 x 3.4 x 2.6 in. (76 x 86 x 67 mm.)	420120SP05NWSJ10	3.3 x 3.3 x 3.4 in. (84 x 84 x 86 mm.)
208Y/120V Wye	SDSA2040		420120YP05NWSJ10	
240V Delta	SDSA2040D		420240DP05AWSJ10	
480Y/277V Wye	SDSA4040	1.6 lbs. (0.74 kg.)	420277YP05NWSJ10	1.6 lbs. (0.74 kg.)
480V Delta	SDSA4040D		420480DP05AWSJ10	
600Y/347V Wye	SDSA3650		420347YP05NWSJ10	
600V Delta	SDSA3650D	Wire Leads: 14 AWG 24 in. (0.61 m.)	420600DP05AWSJ10	Wire Leads: 10 AWG 36 in. (0.91 m.)

For support in  
selecting SPDs, contact:

[se.com/us/en/work/support/  
customer-care/](http://se.com/us/en/work/support/customer-care/)

1-877-342-5173

Connection	Monitoring	kA Rating Per Phase	Catalog Number	Enclosure Dimensions	Weight
Model 425 Options					
Wire Leads (10 AWG)	LEDs, Alarm, Contacts NEMA 4X Polycarbonate	100kA	425□□□□P10AWAJ10	8.3 x 3.6 x 3.0 in. (211 x 91 x77 mm.)	3 lbs. (1.4 kg.)
XDSE Options (For a UL Type 1 SPD, add suffix "1" to the catalog number)					
Lugs (14 - 8 AWG)	LEDs, Alarm, Contacts NEMA 4X Polycarbonate	100kA	SSP□□XDSE10A	6.0 x 6.0 x 4.0 in. (152 x 152 x 102 mm.)	5 lbs. (2.3 kg.)
		200kA	SSP□□XDSE20A		
Model 440 Options					
Lugs (12 - 10 AWG)	Counter, LEDs, Alarm, Contacts NEMA 4X Polycarbonate	100kA	440□□□□P10ACCJ□0	9.6 x 4.9 x 4.0 in. (244 x 124 x 102 mm.)	4.5 lbs. (2.1 kg.)
		200kA	440□□□□P20ACCJ□0		
		300kA	440□□□□P30ACCJ□0		
EMA Options					
Lugs (10 - 2 AWG)	Counter, LEDs, Alarm, Contacts  NEMA 1 Enclosure	120kA	SSP□□EMA12	11.0 x 12.0 x 5.4 in. (280 x 305 x 135 mm.)	23 lbs. (10.4 kg.)
		160kA	SSP□□EMA16		
		240kA	SSP□□EMA24		
		320kA	SSP□□EMA32	11.0 x 20.0 x 5.4 in. (280 x 516 x 135 mm.)	27 lbs. (12.2 kg.)
		480kA	SSP□□EMA48		
Internal Disconnect (10 - 3/0 AWG)	Counter, LEDs, Alarm, Contacts  NEMA 4X Stainless Enclosure	120kA	SSP□□EMA12SD	11.0 x 23.0 x 9.4 in. (280 x 576 x 239 mm.)	45 lbs. (20.5 kg.)
		160kA	SSP□□EMA16SD		
		240kA	SSP□□EMA24SD		
Model 460 Options					
Internal Disconnect (8 - 1/0 AWG)	Counter, LEDs, Alarm, Contacts  NEMA 4 Metal	100kA	460□□□□P10ARCE□0	12 x 12 x 7 in. (305 x 305 x 178 mm.)	23 lbs. (10.4 kg.)
		200kA	460□□□□P20ARCE□0		
		300kA	460□□□□P30ARCE□0		
		400kA	460□□□□P40ARCE□0	16 x 14 x 7 in. (406 x 406 x 178 mm.)	32 lbs. (14.5 kg.)
		500kA	460□□□□P50ARCE□0		

Connection	Advanced Monitoring	kA Rating Per Phase	Catalog Number	Enclosure Dimensions	Weight
Model 440 Options					
Wire Leads (10 AWG)	Active Surge Monitor (ASM) NEMA 4X Polycarbonate <i>Internal Ethernet Connection</i>	100kA	440□□□□P10AWTJ20	9.6 x 4.9 x 4.0 in. (244 x 124 x 102 mm.)	4.5 lbs. (2.1 kg.)
		300kA	440□□□□P30AWTJ20		
Model 460 Options					
Through Door Disconnect (8 – 1/0 AWG)	Active Surge Monitor (ASM) NEMA 4 Metal	200kA	460□□□□P20ATTG20	16 x 16 x 8 in. (406 x 406 x 203 mm.)	32 lbs. (14.5 kg.)
		300kA	460□□□□P30ATTG20		
		600kA	460□□□□P60ATTG20		

2 Digit Voltage Codes (EMA & XDSE)	
120/240V Split Phase, 1Ø, 3W + ground	01
208Y/120V & 220Y/127 Wye, 3Ø 4W + ground	02
240/120V Delta High Leg, 3Ø 4W + ground	03
480Y/277V, 380Y/220V, 400Y/230V & 415Y/240V, 3Ø 4W + ground	04
480V Delta & HRG, 3Ø 3W + ground	05
240V Delta, 3Ø 3W + ground	06
600Y/347V Wye, 3Ø 4W + ground	08
600V Delta & HRG, 3Ø 3W + ground	09

4 Digit Voltage Codes (425, 440, 460)	
120/240V Split Phase, 1Ø 3W + ground	120S
208Y/120V Wye, 3Ø 4W + ground	120Y
240/120V Delta High Leg, 3Ø 4W + ground	240H
480Y/277V Wye, 3Ø 4W + ground	277Y
480V Delta, 3Ø 3W + ground (kA Available: 100, 200, 300 & 400)	480D
240V Delta, 3Ø 3W + ground (kA Available: 100, 200, 300 & 400)	240D
600Y/347V Wye, 3Ø 4W + ground	347Y
600V Delta 3Ø 3W + ground (kA Available: 100 & 200)	600D

Insert "1" for UL Type 1  
Insert "2" for UL Type 2  
(Includes UL 1283 filtering)

Flush Mount Kits	
Model 425	XMFMKICW
XDSE	XDSEMKF
Model 440	440FMKICW
EMA (120 - 240kA)	SSP12EMAMKF

Not all voltage and kA rating combinations may be available. Please check <https://www.se.com/us/en/search/> or SE Advantage for specific catalog number configuration availability or contact us for assistance.