



Schneider Electric has a comprehensive offering of surge protective devices (SPDs) for Industrial & OEM applications.

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	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	
450	IMA
N/A	N/A
100kA	120kA
300kA	240kA
ALL	ALL
✓	✓
✓	✓
✓	✓
✓	✓
✓	✓
Single Module	✓

SDSA & Model 420 Catalog Numbers				
Voltage	SDSA	Model 420		
120/240V Split	SDSA1175	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	Wire Leads: 14 AWG 24 in. (0.61 m.)	420347YP05NWSJ10	Wire Leads: 10 AWG 36 in. (0.91 m.)
600V Delta	SDSA3650D		420600DP05AWSJ10	

Surge protection support:

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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 x 77 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 – with Active Surge Monitoring					
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 – with Active Surge Monitoring					
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	XFMFKITCW
XDSE	XDSEMKF
Model 440	440FMKITCW
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.