

Surge Protective Devices

Control Panel Shop Quick Reference Guide



Schneider Electric has a comprehensive offering of Surge Protective Devices (SPDs) for control panel shops.















Square D and ASCO SPDs, by Schneider Electric

- Robust products for AC & DC installations
- Protection for sensitive electronics in industrial environments
- UL508A compliant devices for control panel applications
- Meets NEC 2017 670.6 for industrial machinery protection

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	Internal SPDs			AC SPDs		Filters		Water / Wastewater	
									
									
Model	DRSE	175	Multi9	SDSA	425	ICSE	IESE	SSE	SLACSE
Previous Series	Edco DRS	Edco PC642			APT XCS	Islatrol IC	Islatrol IE	Edco SS64	Edco SLAC
Enclosure Type	Polycarb	Polycarb	Polycarb	NEMA 4X Polycarb	NEMA 4X Polycarb	Polycarb	Metal	Stainless Steel	NEMA 4X Polycarb
Surge Current	10kA	10kA	75kA	40kA	100kA	19.5kA	45kA	10kA	39kA (AC Line) 10kA (Signal Line)
UL Certification	UL497B	UL497B	UL1449	UL1449	UL1449	UL1283	UL1283 UL1449	UL497B	UL1449 UL497B
Mounting	DIN-Rail	Surface / DIN-Rail	DIN-Rail	1/2" NPT	Surface	Surface	DIN-Rail	1/2" NPT	Surface
LED Status Indication				✓	✓	✓	✓		✓
Audible Alarm					✓				
Operating Current	0.15A	0.15A				2.5A - 30A	3A - 20A	0.15A	15A (AC Line)
Relay Contacts			✓		✓	✓	✓		
Operating Voltage	30 VDC	1 - 36VDC	VAC	VAC	VAC	VAC	VAC	28 VDC	30 VDC
Clamping Voltage	36 VDC	8VDC, 43 VDC	VAC	VAC	VAC	VAC	VAC	36 VDC	36 VDC
Replaceable Module		✓	✓						✓

Catalog Number	Service Voltage	MCOV	Continuous Current
ICSE			
HFNF120ICSE003	120 V, 50/60 Hz, 1Ø Phase (2 wire + ground)	150 V (L-N)	2.5 A
HFNF120ICSE005			5 A
HFNF120ICSE007			7.5 A
HFNF120ICSE015			15 A
HFNF120ICSE030			30 A
HFNF240ICSE002	240 V, 50/60 Hz, 1Ø Phase (2 wire + ground)	320 V (L-N)	2.5 A
HFNF240ICSE015			15 A
IESE			
HFNF120IESE003	120 V, 50/60 Hz, 1Ø Phase (2 wire + ground)	150 V (L-N)	3 A
HFNF120IESE005			5 A
HFNF120IESE010			10 A
HFNF120IESE020			20 A
HFNF240IESE003	240 V, 50/60 Hz, 1Ø Phase (2 wire + ground)	320 V (L-N)	3 A
HFNF240IESE005			5 A
HFNF240IESE010			10 A
HFNF240IESE020			20 A
SLACSE			
SSP030SLACSE39	Signal Line - 30 VDC AC - 120V 1Ø Phase (2W+G)	36 VDC 150 VAC	0.15A (Signal Line) 15A (AC Line)

Catalog Number	Operating Voltage	Clamping Voltage	Operating Current	Mounting Kit	Application
Model 175					
175D008S10KLPCB0	1 - 5 VDC	8 VDC	0.15 A	11604KITPC Din-Rail	RS485, RS422, RS423
175D043S10KLPCB0	5 - 36 VDC	43 VDC			RS232, Ethernet, 4-20mA signal line

Catalog Number	Poles	Service Voltage
Multi9		
M9L11120	1	120V
M9L21240		240V
M9L31277		277V
M9L41347		347V
M9L12240	2	120/240V
M9L22480		240/480V
M9L23240	3	240V
M9L53480		480V
M9L13208		120/208V
M9L33480		277/480V
M9L43600		347/600V
M9L53690		400/690V
M9L17208	4	120/208V
M9L37480		277/480V
M9L47600		347/600V
M9L57690		400/690V
M9L17240		120/240V
M9L27480		240/480V

Catalog Number	Operating Voltage	Clamping Voltage	Operating Current
SSE			
SSP030SSE10HC	28 VDC	36 VDC	0.15 A
DRSE			
SSP030DRSE10	30 VDC	36 VDC	0.15 A

Connection	Monitoring	kA Rating Per Phase	Catalog Number
Model 425 Options			
Wire Leads (10 AWG)	LEDs, Alarm, Contacts NEMA 4X Polycarbonate	100kA	425□□□□P10AWAJ10

4 Digit Voltage Codes	
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

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.