

Select[®] 2 300



E.g. MODEL # SL2 - 300 - 120 / 208 - 3GY - L3 - D - B

SURGE RATING

- 100kA per mode
- 150kA per mode
- 200kA per mode
- 250kA per mode
- 300kA per mode

VOLTAGE

- 120/208 - 3GY
- 220/380 - 3GY
- 277/480 - 3GY
- 347/600 - 3GY
- 120/240 - 2G
- 120/240 - 3GHD
- 240 - 3DG
- 480 - 3DG
- 600 - 3DG

OPTIONS

Monitoring

- Standard Monitoring: Indicator Lights
- Primary Monitoring: Standard Monitoring
Plus Form "C" Contacts L1
- Advanced Monitoring: Primary Monitoring
Plus Event Counter Display, Audible Alarm w/LED L2
- MasterMIND[®] Diagnostic Monitoring: Advanced Monitoring
Plus Enhanced Status Indicator Lights, Integral Multifunction Power Monitor / Analyzer L3

Enclosure

- Integral Disconnect:* D
- Bottom Feed: B
- Stainless Steel: S

*If using as a secondary surge arrester, it is recommended to order with an integral disconnect.

Stand-alone Options

- DTS-2 Diagnostic Test Set: DTS
- MasterTEST Hand-Held Tester: MT

SINGLE/REPETITIVE SURGE CURRENT CAPACITIES

Protection mode	Single pulse surge current capacity/mode	Repetitive surge current capacity/mode
Line-to-Neutral	300,000 amps	15,000 impulses
Line-to-Ground	300,000 amps	15,000 impulses
Neutral-to-Ground	300,000 amps	15,000 impulses
Line-to-Line	300,000 amps	15,000 impulses
Per Phase	600,000 amps	N/A

In compliance with NEMA LS 1-1992 (R2000), Select[®] 2 systems are single impulse tested in all modes at rated currents by an industry-recognized test laboratory. Per IEEE C62.41.1-2002, C62.41.2-2002 and C62.45-2002, Select[®] 2 systems are repetitive surge tested per mode utilizing the IEEE C62.41.2-2002 C3 combination wave at one minute intervals without suffering more than 10% deviation of clamping voltage at a specified surge current.

MAXIMUM CONTINUOUS OPERATING VOLTAGE (MCOV)

Voltage	MCOV	Voltage	MCOV
120V	150V	347V	420V
220V	275V	480V	640V
277V	320V	600V	840V

SYSTEM FEATURES

The Select[®] 2 product line offers you the first box-type surge suppressor to be dual-listed as both a surge suppressor and a secondary surge arrester. In addition, the selenium-based seamless technology[™] gives you added protection, maximum performance and dramatically extended product life.

PRODUCT SPECIFICATIONS

General Specifications

Safety Listings	UL 1449 2 nd Edition 2005 Revision (effective 2/9/2007)
	ANSI/IEEE C62.34 as a secondary surge arrester
	UL 1283
Protection Method:	MOV, Selenium
Product Design:	Individually fused MOVs All copper, tin-plated bus
Dimensions:	38"H x 22"W x 12"D
Weight:	150 lbs.
Enclosure Type:	NEMA 4/12 standard
Installation Location:	Outdoor or Indoor
Operating Environment:	-40°C to +60°C 5% - 95% non-condensing humidity
Fault Current (SCCR):	200 kAIC
Connection Method:	Parallel
Protection Modes:	All modes (L-N, L-G, N-G, L-L)
Response Time:	<0.5 nanoseconds
Operating Frequency:	47-63 Hz
Warranty	15 years

FILTERING ATTENUATION FREQUENCIES

100KHz	1MHz	10MHz	100MHz
41dB	31dB	35dB	53dB

TYPICAL CLAMPING VOLTAGE DATA

System Voltage	Mode	B3 Ringwave	B3/C1 Comb. Wave	C3 Comb. Wave	UL 1449 2 nd Edition 2005 Revision
120/240	L-N	300/350	400/425	625/750	400/400
	L-G	375/425	400/475	625/800	500/500
	N-G	325/325	450/450	725/725	500/500
120/208	L-L	375/475	750/825	925/1225	700/700
	L-N	525/575	850/875	1100/1200	800/800
	L-G	825/850	825/875	1050/1200	1000/1000
277/480	N-G	675/675	875/875	1200/1200	900/900
	L-L	625/725	1625/1700	1925/2175	1500/1500

Values following slash (/) indicate typical clamping voltage data for models with integral disconnect options. All Select[®] 2 systems clamping voltages are in compliance with test and evaluation procedures outlined in NEMA LS 1-1992 (R2000), paragraphs 2.210 and 3.10.

Specifications subject to change without notice, refer to www.currenttechnology.com for latest issue.



5900 Eastport Boulevard Richmond, VA 23231-4453 USA
TEL: 804.236.3300 800.238.5000 FAX: 804.236.4047