



Select[®]SL3[™] suppression filter systems feature selenium-enhanced surge protection along with a powerful failure-free ISM[™] (Integrated Suppression Module). The ISM[™] contains individual thermally fused and protected MOVs, surge-rated copper busing, robust filtering and advanced remote communications capabilities. Additionally, the SL3's selenium-enhanced seamless technology design ensures maximum performance and a dramatically extended product life.

PRODUCT SPECIFICATIONS

General Specifications

| | |
|---------------------------------|---|
| Maximum Surge Current Rating | 300kA Per Mode, 600kA Per Phase |
| Nominal Discharge Surge Current | I-n = 20kA |
| Safety Listings | UL Listed 1449 4th Edition for Type 1 and Type 2 SPD applications, cUL, and UL 1283 / Meets Requirements for UL 96A / Compliant to IEEE C62.41.1-2002, C62.41.2-2002 and C62.45-2002 / NFPA 70 [NEC], Article 285 |
| Protection Method | Thermally protected MOVs, Selenium, Capacitive Filter |
| Product Design | Individual thermally fused and protected MOVs, Selenium Cells, and All Copper, Tin-plated Bus |
| Dimensions | 32"H x 22"W x 11.95"D |
| Weight | 88 lbs. |
| Enclosure Type | NEMA 4/12 Standard (NEMA 4X Option) |
| Installation Location | Outdoor or Indoor |
| Operating Environment | -25°C to +60°C 5% – 95% Non-Condensing Humidity |
| Fault Current (SCCR) | 200kAIC |
| 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 | 20 Years |

Filtering Attenuation Frequencies (Per Mil-Std-220B January 2000)**

| 10 KHz | 100 KHz | 1 MHz | 10 MHz | Max at 142 KHz |
|---------|---------|---------|---------|----------------|
| 18.1 dB | 44 dB | 22.8 dB | 15.3 dB | 54.6 dB |

Single/Repetitive Surge Current Capacities (Tested)**

| Protection Mode | Single Pulse Surge Current Capacity/Mode | Repetitive Surge Current Capacity/Mode |
|-------------------|--|--|
| Line-to-Neutral | 300,000A | 17,000 Impulses |
| Line-to-Ground | 300,000A | 17,000 Impulses |
| Neutral-to-Ground | 300,000A | 17,000 Impulses |
| Line-to-Line | 600,000A | 34,000 Impulses |
| Per Phase | 600,000A | 34,000 Impulses |

Maximum Continuous Operating Voltage (MCOV)

| Voltage | L-N MCOV | Voltage | L-L MCOV |
|---------|----------|---------|----------|
| 120V | 150V | 240V | 300V |
| 277V | 320V | 480V | 552V |
| 347V | 420V | 600V | 690V |

** Data based on actual tests. Contact factory for test reports

MODEL NUMBER SCHEME (SL3[™])

E.g.: SL3-300-208-3Y-MDT-M6E-F2 (as shown in above photo)

| | | | | | | |
|-------|-----------|---------|---------------|-----------------------|------------|--------------------------------|
| SL3 | 300 | 208 | 3Y | MDT | M6E | F 2 |
| Model | kA Rating | Voltage | Configuration | Enclosure Cable Entry | Monitoring | Filter Option Optional Feature |

kA Rating (Must Choose One)

Available SL3[™] kA Ratings:
050, 080, 100, 125, 150, 200, 250, 300

Voltage* (Must Choose One)

| | |
|-----|---------|
| 208 | 120/208 |
| 240 | 120/240 |
| 380 | 220/380 |
| 480 | 277/480 |
| 600 | 347/600 |

Configuration* (Must Choose One)

| | |
|----|-----------------------------------|
| 1G | 1-Phase, Grounded |
| 2G | 2-Phase, Grounded, Split-Phase |
| 3Y | 3-Phase, Grounded, Wye |
| 3H | 3-Phase, Grounded, High-Leg Delta |
| 3D | 3-Phase, Grounded, Delta |

Enclosure (Must Choose One)

| | |
|----|------------------------------------|
| MN | Metal Without Disconnect |
| MD | Metal With Disconnect |
| SN | Stainless Steel Without Disconnect |
| SD | Stainless Steel With Disconnect |

Cable Entry (Must Choose One)

| | |
|---|-------------|
| T | Top Feed |
| B | Bottom Feed |

Monitoring (Must Choose One)

| | |
|-----|---|
| M0 | No local monitoring (see remote MxX stand-alone option) |
| M1 | Smart switching tri-color/LED/Phase, Audible Alarm & Dry Relay Contacts |
| M2 | M1 + Surge Counter |
| M3 | Advanced Monitoring, Character Display, Modbus RTU |
| M4E | M3 + Ethernet, Modbus TCP |
| M5 | Advanced Monitoring, Graphics Display, Modbus RTU |
| M6E | M5 + Ethernet, Modbus TCP |

Filter (Must Choose One)

| | |
|---|-----------|
| F | Filter |
| N | No Filter |

Optional Features (May Choose One)

| | |
|---|-------------------|
| 2 | Test Port |
| 4 | Enhanced Selenium |

Stand-Alone Options

(To Be Ordered As Separate Items)

| | |
|-----|---|
| DTS | DTS-2 Diagnostic Test Set |
| MxX | Remote Monitor Extension M1X through M6EX |
| HPI | HPI Cable |

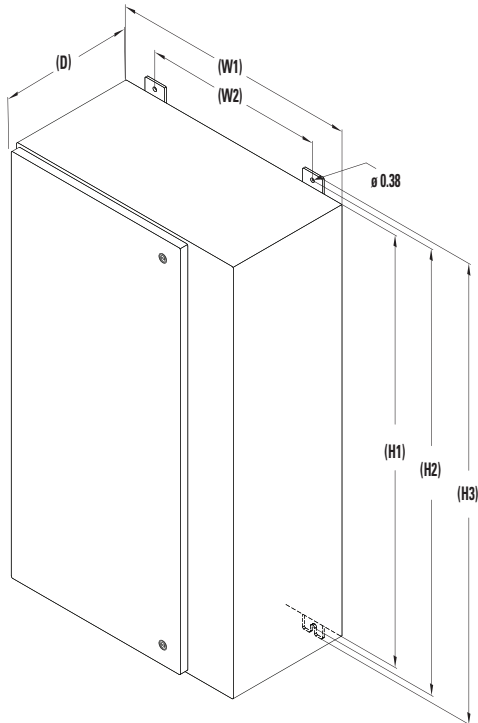


*See table on back for more Voltage/Configuration Options.



DIMENSIONAL SPECIFICATIONS

| SL3™/300 | Inches | (mm) |
|----------|--------|---------|
| H1 | 32.00 | (812.8) |
| H2 | 33.25 | (844.6) |
| H3 | 34.50 | (876.3) |
| W1 | 22.00 | (558.8) |
| W2 | 16.00 | (406.4) |
| D | 11.95 | (303.5) |



VOLTAGE/CONFIGURATION OPTIONS

Not all voltage configurations are displayed, contact your local sales representative for additional configurations.

| Voltage | Configuration | | | | |
|---------|---------------|----|----|----|----|
| | 1G | 2G | 3Y | 3H | 3D |
| 120 | X | | | | |
| 208 | X | | X | | X |
| 220 | X | X | | | X |
| 230 | X | | | | X |
| 240 | X | X | | X | X |
| 380 | | X | X | | X |
| 415 | | X | X | | X |
| 480 | | X | X | | X |
| 600 | | X | X | | X |

SL3™/300 PERFORMANCE DATA

| System Voltage | 120/240V or 120/208V | | | | 277/480V | | | | 347/600V | | | | 240V Delta | | 480V Delta | | 600V Delta | |
|---|----------------------------|------|------|------|----------|------|------|------|----------|------|------|------|------------|------|------------|------|------------|------|
| | L-N | L-G | N-G | L-L | L-N | L-G | N-G | L-L | L-N | L-G | N-G | L-L | L-G | L-L | L-G | L-L | L-G | L-L |
| MCOV | 150 | 150 | 150 | 300 | 320 | 320 | 320 | 552 | 420 | 420 | 420 | 690 | 320 | 300 | 552 | 552 | 690 | 690 |
| B3 Ring Wave 6kV, 500A | 580 | 700 | 740 | 590 | 560 | 620 | 730 | 660 | 570 | 650 | 730 | 680 | 850 | 590 | 1530 | 660 | - | - |
| B3/C1 Combo Wave 6kV, 3kA | 596 | 675 | 682 | 964 | 1020 | 1066 | 969 | 1824 | 1197 | 1260 | 1186 | 2354 | 1066 | 964 | 1604 | 1824 | 1260 | 2354 |
| C3 Combo Wave 20kV, 10kA | 1640 | 1460 | 1520 | 1960 | 1890 | 1890 | 2020 | 3020 | 2080 | 2200 | 2140 | 3390 | 1830 | 1960 | 2460 | 3020 | - | - |
| UL 1449 4th Edition VPR 6kV, 3kA | 700 | 700 | 700 | 1000 | 1200 | 1200 | 1000 | 2000 | 1200 | 1500 | 1200 | 2500 | 1200 | 1500 | 1800 | 2000 | 3000 | 2500 |

All SL3™ systems voltage protection ratings (VPR) are peak values ($\pm 10\%$) measured from the 90° reference point and are in compliance with test and evaluation procedures outlined in ANSI/IEEE C62.41



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Specifications are subject to change without notice

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