



- NEMA 4X
- UL® 50E Type 4 Enclosure
- UL®1449 Listed Edition 5.0
- UL®1283 Listed Edition 7.0
- Up to 57dB attenuation (1kHz-100MHz)
- Flashing Red Light: N-G fault.
- Type 2 SPD, 20kA I_n
- 160kA 8/20µs I_{max} surge rating per phase
- All modes protected
- Optional Recessed Mounting Trim Plate
- Prewired 18” leads for alarm contacts
- Audible Alarm (including phase loss)
- Ten Year Warranty

The **OMEGA POWER SF160** Surge Filter Series is an enhanced version of the SP160 Series. The SF160 Surge Filter is robust, with a 160 kA per phase surge rating. The high peak surge rating increases survivability and overall life. The addition of the noise filter, designed to remove high frequency transients and noise on the power distribution system, adds another level of protection for sensitive equipment.

The SF160 is **UL® 1283 Edition 7 and UL® 1449 Edition 5** Listed as an SPD for Type 2 locations. Applications include service entrance, distribution switchgear, branch panels, Motor Control Centers (MCC), lighting panels, HVAC, A/V Equipment, IT equipment, and much more. With a NEMA 4X enclosure rating, this product series is also well suited for outdoor applications. Engineered to provide durability and long life, even under the most adverse conditions.

Model	Voltage
SF1601	120V 2w+G
SF1602	240V 2w+G
SF160S12	S120/240V 3w+G
SF160Y12	Y120/208V 4w+G
SF160Y24	Y277/480V 4w+G
SF160D12	D120/240V Delta
SF160D2	D240V 3ph Delta
SF160D4	D480V 3ph Delta

UL 1283 Listed Edition 7.0
UL 1449 Listed Edition 5.0

SF160 SPECIFICATIONS COMMON TO ALL VOLTAGES

Max Discharge Current, I_{max}	160kA 8/20 μ s per phase (I_{max})
Nominal Discharge Current, I_n	20kA 8/20 μ s / mode
Protection Modes	ALL MODES
Short Circuit Current Rating	200kAIC
Status / Alarm	1 Green LED status indication per phase / AUDIBLE ALARM
Dimensions	202 x 78 x 70 mm, (6"front / 7.95"h x 3.06"d x 2.75"w inches)
Enclosure / Rating	Polycarbonate / NEMA 4X / UL 50E, Type 4
Connection	457 mm (18" of # 10 AWG) flying leads
Mounting	3/4" straight nipple.
Approvals	UL® 1449 LISTED EDITION 5.0 (TYPE 2), CE, CSA, IEC 6143-1
Noise Filter	UL® 1283 Listed Edition 7.0, up to -57 dB attenuation (10kHz to 100 MHz)
Complies With	ANSI/IEEE: C62.41.2 -2002, C62.41.1-2002, C62.45-2002 CAT A, CAT B, CAT C
Temperature	- 40 to 185 F
Unit Weight	1.16 lb
Recessed Wall	Optional Flush Mounting Plate for Drywall
Warranty	10 Years Limited Free Replacement

SF160 SPECIFICATIONS SINGLE PHASE

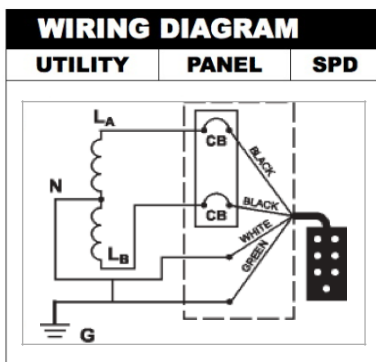
Model	SF1601	SF1602	SF160S12
Nominal System Voltage, U_n	120V	240V	120/240 V
Distribution System	1 phase 2W+G	1 Ph 2W+G	Split phase 3W+G
MCOV	180VAC	350 VAC	180/360 VAC
VPR Voltage Protection Rating L-N	L-N 700V	L-N 1200V	L-L 1200 V
VPR Voltage Protection Rating L-G	L-G 700V	L-G 1200V	L-N 700 V
VPR Voltage Protection Rating N-G	N-G 700V	N-G 1200V	L-G 700 V

SF160 SPECIFICATIONS 3 MULTI-PHASE

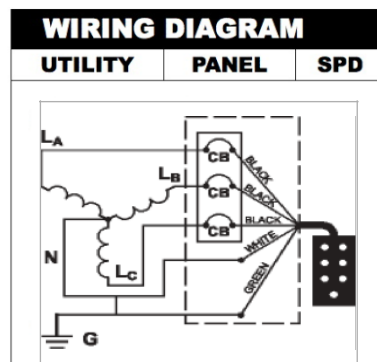
Model	SF160S12	SF160Y12	SF160Y24
Nominal System Voltage, Un	120/240 V	120/208 V	277/480 V
Distribution System	Split phase 3W+G	3 Ph Y 4W+G	3 Ph Y 4W+G
MCOV	180/360 VAC	150/300 VAC	350/700 VAC
VPR Voltage Protection Rating L-L	L-L 1200 V	L-L 1200 V	L-N 1200 V
VPR Voltage Protection Rating L-N	L-N 700 V	L-N 700 V	L-G 1200 V
VPR Voltage Protection Rating L-G	L-G 700 V	L-G 700 V	N-G 1200 V

SF160 SPECIFICATIONS 3 PHASE DELTA

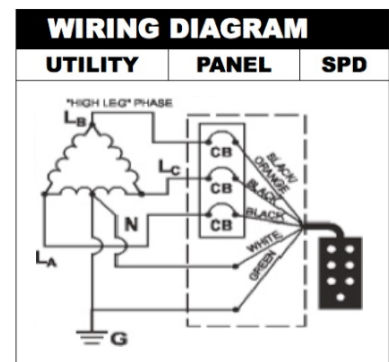
Model	SF160D2	SF160D12	SF160D4
Nominal System Voltage, Un	240 V	120/240V hileg delta	480 V
Distribution System	3 Ph Delta, 3W +G	3 phase 4W+G	3 Ph Delta 3W+G
MCOV	275 VAC	350/700 VAC	550 VAC
VPR Voltage Protection Rating L-N	L-L 1800 V	L-N 1200 V / 1500 V	L-L 4000 V
VPR Voltage Protection Rating L-G	L-G 1000 V	L-G 800V / 900 V	L-G 1800 V
VPR Voltage Protection Rating N-G		N-G 700 V	



S120/240V 3w+G



Y120/208V 4w+G



D120/240V hileg 4w+G