

LOC		DIST		REVISIONS				
P	LTR	DESCRIPTION	DATE	DWN	APVD			
	A	REVISED PER ECR-14-007795	29MAY2014	RS	EC			
	B1	ECO-15-015144: ADD UL.	03DEC2015	EC	EC			

SAFETY ORGANIZATIONS

THIS FILTER HAS BEEN FORMALLY RECOGNIZED, CERTIFIED OR APPROVED BY THE LISTED AGENCY. THEREFORE, ALL TEST/REQUIREMENTS SPECIFIED IN THE LATEST REVISION OF THE FOLLOWING AGENCY STANDARDS HAVE BEEN MET:

UL

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 1600 A, 520 VAC

LINE FREQUENCY: 50-60 Hz

NOMINAL LEAKAGE CURRENT: 15 mA

MAXIMUM LEAKAGE CURRENT: 270mA @ 277V, 50HZ

OPERATING AMBIENT TEMPERATURE RANGE @ RATED CURRENT, I : -10°C TO +50°C

IN AN AMBIENT, T, HIGHER THAN 50°C, THE MAXIMUM OPERATING CURRENT, I, IS AS FOLLOWS: :

$$I_0 = I_R \sqrt{\frac{100 - T_0}{50}}$$

RELIABILITY SPECIFICATIONS

STORAGE TEMPERATURE: -40°C TO +85°C

HUMIDITY: 21 DAYS @ 40°C 95% RH.

TEST SPECIFICATIONS

INDUCTANCE, NOMINAL: 50.9 μH

CAPACITANCE AT 1KHz, 0.25 VAC MAX., 25°C±1°C

LINE TO GROUND, NOMINAL: 3.1 μF

LINE TO LINE, NOMINAL: 7.0 μF

DISCHARGE RESISTOR L/G AND L/L I.R. 1000 kOhm / 1000 kOhm

IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6000 MΩ

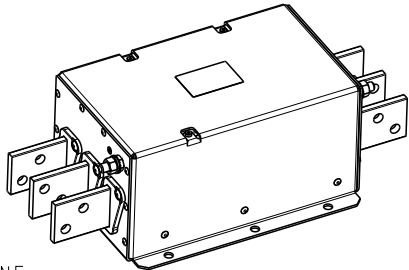
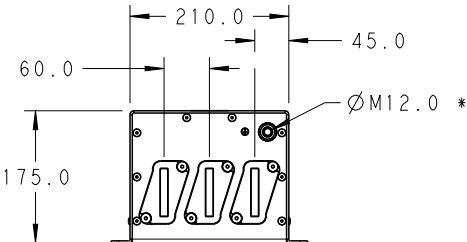
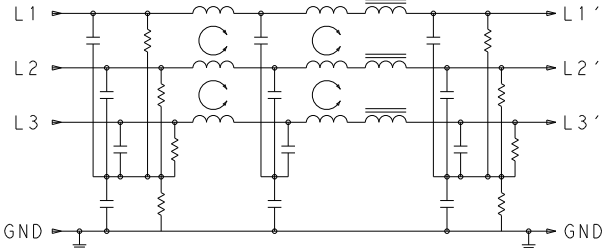
RECOMMENDED RECEIVING INSPECTION HIPOT

LINE TO GROUND FOR 1 MINUTE: 2200 VDC

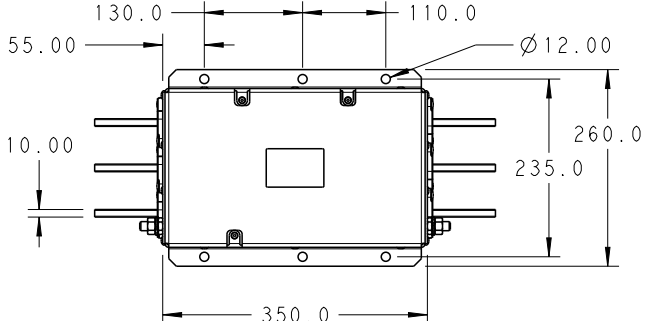
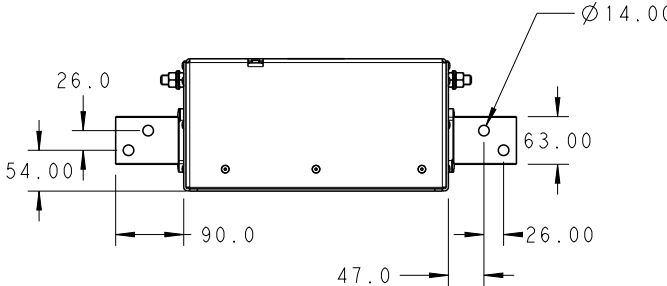
LINE TO LINE FOR 1 MINUTE: 2160 VDC

FILTER APPROVAL:

THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.


SCHEMATIC

* DO NOT LOOSEN INNER GROUND NUTS. TORQUE OUTER GROUND NUTS TO: 25-30 NM [220-260 IN-LB]

TYPICAL INSERTION LOSS
COMMON MODE 50/50Ω; DIFFERENTIAL MODE 100/100Ω

MHz	0.01	0.05	0.15	0.5	1.0	3.0	5.0	10	30
CM	13	30	60	90	82	80	64	40	19
DM	27	41	55	55	46	35	31	25	16

DIMENSIONS:		DWN	19DEC2013	MATERIAL		FINISH	
mm		RS		-		-	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK	19DEC2013	 TE Connectivity			
0 PLC ±2.0		EC					
1 PLC ±1.0		APVD	19DEC2013				
2 PLC ±0.50		EC					
3 PLC ±0.200		PRODUCT SPEC		NAME 1600APS12L 3-PHASE DELTA FILTER			
4 PLC ±0.1000		APPLICATION SPEC					
ANGLES ±-		-					
WEIGHT		-		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
Customer Drawing		-		A4	00779	C-4-1609114-8	-
SCALE		1:1		SHEET		1 OF 1	
REV		B1					