	LOC	DIST	REVISIONS				
	–	–					
			P	LTR	DESCRIPTION	DATE	DWN	APVD
				A	REVISED PER ECR-14-007823	02JUNE2014	RS	EC
				B	ECO-15-015144: ADD UL.	19NOV2015	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: 600 A, 690VAC

LINE FREQUENCY: 50-60 Hz

NOMINAL LEAKAGE CURRENT: 20 mA
MAXIMUM LEAKAGE CURRENT: 390mA @ 400V, 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: $I_O = I_R \sqrt{\dfrac{100 - T_O}{50}}$

RELIABILITY SPECIFICATIONS

STORAGE TEMPERATURE: -40°C TO +85°C
HUMIDITY: 21 DAYS @ 40°C 95% RH.

TEST SPECIFICATIONS

INDUCTANCE, NOMINAL: 44.5 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
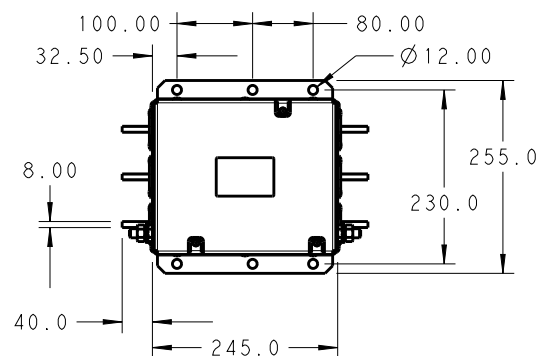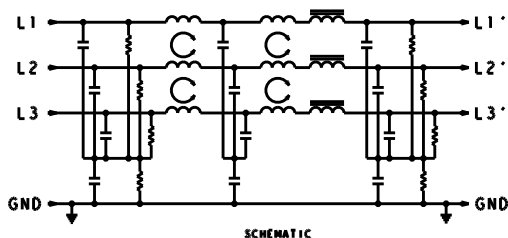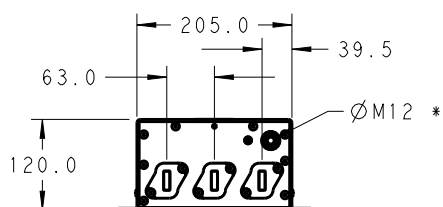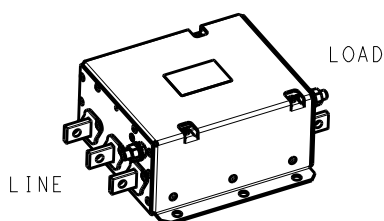
DISCHARGE RESISTOR
L/G AND L/L I.R.   1000 kOhm / 1000 kOhm
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6000 MΩ

RECOMMENDED RECEIVING INSPECTION HIPOT

LINE TO GROUND FOR 1 MINUTE: 2640 VDC
LINE TO LINE FOR 1 MINUTE: 2520 VDC

FILTER APPROVAL:

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

LOAD

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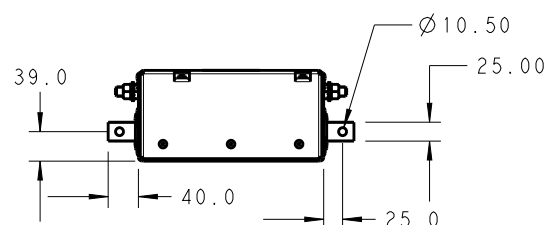
* DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER GROUND NUTS TO:
25-30 NM [220-260 IN-LB]

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	33	65	90	82	95	58	37	19
DM	27	41	50	67	57	43	39	31	21

SCHEMATIC

DIMENSIONS: mm	DWN RS	18DEC2013	MATERIAL –	FINISH –		
	CHK EC	18DEC2013				
TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD EC	18DEC2013	⊟TE TE Connectivity			
0 PLC ±2	PRODUCT SPEC –		NAME			
1 PLC ±1.0				600APS12P		
2 PLC ±0.50				3-PHASE DELTA FILTER		
3 PLC ±0.200	APPLICATION SPEC –					
4 PLC ±0.1000			SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
ANGLES ±-	WEIGHT –		A4	00779	C-5-1609114-1	–
	Customer Drawing		SCALE 1:1	SHEET 1 OF 1		REV B

1469-35 (3/11)