LOC	DIST
–	–

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	REVISED PER ECR-14-007795	29MAY2014	RS	EC
	B	ECO-15-015144: ADD UL.	01DEC2015	EC	EC
	B1	ECO-16-007046	09MAY2016	RS	HS

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: 6 mA
MAXIMUM LEAKAGE CURRENT: 222mA @ 277V, 50HZ

OPERATING AMBIENT TEMPERATURE RANGE
@ RATED CURRENT, I : -10°C TO +40°C

IN AN AMBIENT, T , HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I , IS AS FOLLOWS: $I_O = I_R \sqrt{\frac{100 - T_Q}{60}}$

RELIABILITY SPECIFICATIONS

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

TEST SPECIFICATIONS

INDUCTANCE,NOMINAL: 28.7 µH

CAPACITANCE @ 1 kHz, 0.25 VAC MAX., 25°C ±1°C:
LINE TO GROUND,NOMINAL: 2.62 µF
LINE TO LINE,NOMINAL: 12.1 µF

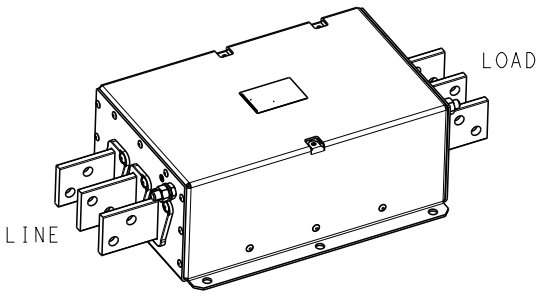
DISCHARGE RESISTOR
L/G AND L/L I.R. 666kΩ / 666kΩ
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6000 MΩ

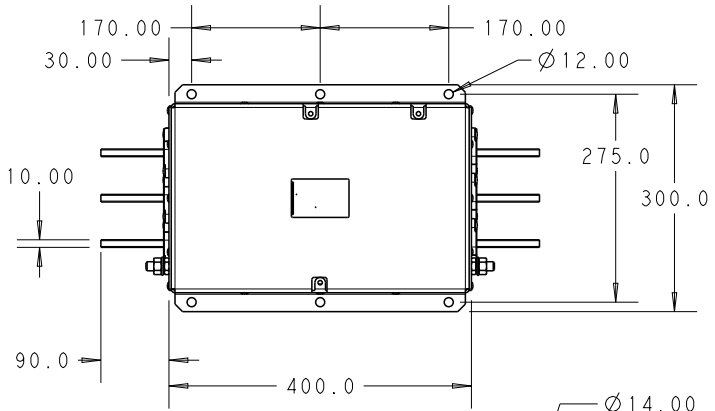
RECOMMENDED RECEIVING INSPECTION HIPOT

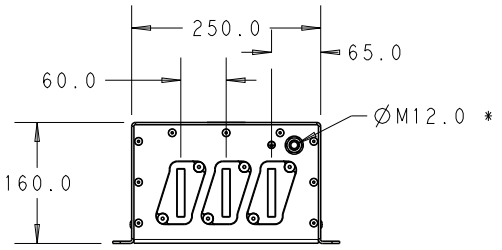
LINE TO GROUND FOR 1 MINUTE: 2200 VDC
LINE TO LINE FOR 1 MINUTE: 2160 VDC

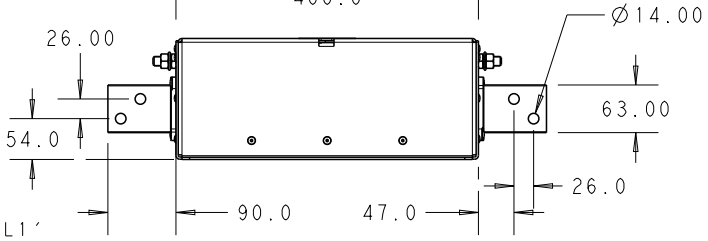
FILTER APPROVAL:

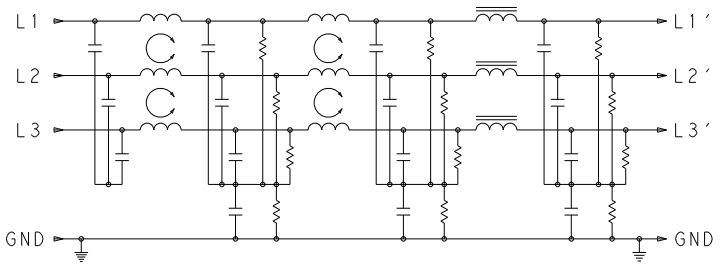
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.











SCHEMATIC

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

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

MHz	0.01	0.05	0.15	0.5	1.0	3.0	5.0	10	30
CM	11	12	56	87	72	60	48	33	22
DM	32	45	70	62	52	42	37	32	24

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	±2.0
1 PLC	±1.0
2 PLC	±0.50
3 PLC	±0.200
4 PLC	±0.1000
ANGLES	±-

DWN RS 17DEC2013
CHK EC 17DEC2013
APVD EC 17DEC2013
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

MATERIAL -
FINISH -

TE Connectivity

NAME
1600APH12L
3-PHASE DELTA FILTER

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A4	00779	C-8-1609148-6	-

CUSTOMER DRAWING | SCALE 2:15 | SHEET 1 OF 1 | REV B1