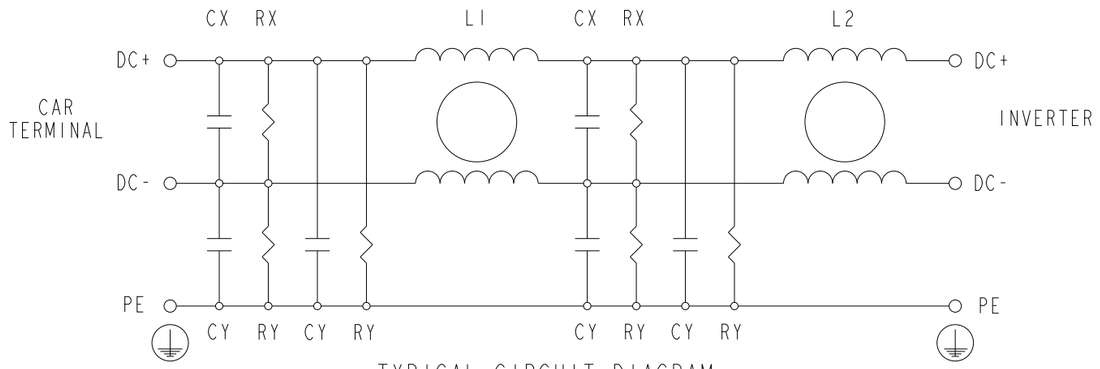
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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASE TO PRODUCTION	04MAY2023	DM	CB



TYPICAL CIRCUIT DIAGRAM

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

1600 EVX A D									
FREQUENCY(MHz)	0.01	0.05	0.15	0.5	1	3	5	10	30
COMMON MODE	10	18	40	59	52	44	40	34	43
DIFFERENTIAL MODE	25	38	47	48	44	44	44	42	44

SAFETY ORGANIZATIONS
THIS FILTER WILL BE FORMALLY RECOGNIZED, CERTIFIED OR APPROVED BY THE LISTED AGENCY. THEREFORE, ALL TEST/REQURIEMENTS SPECIFIED IN THE LATEST REVISION OF THE FOLLOWING AGENCY STANDARDS WILL BE MET:

UL RECOGNIZED AS PER
UL 60939-3 AND CSA22.2 No 8 1600A / 500VDC / 55°C

OPERATING SPECIFICATION
LINE CURRENT/VOLTAGE: 1600A, 500VDC

OVERLOAD CAPABILTY: 135% RATED CURRENT FOR 15 MINUTES

OPERATING AMBIENT TEMPERATURE RANGE @ RATED CURRENT: -40°C TO +55°C

IN AN AMBIENT, Ta, HIGHER THAN 55°C, THE MAXIMUM OPERATING CURRENT, Io, IS AS FOLLOWS:

$$Io = Ir\sqrt{\frac{85-Ta}{55}}$$

RELIABILITY SPECIFICATIONS
STORAGE TEMPERATURE: -40°C TO +100°C
HUMIDITY: 21 DAYS @ 40°C AND 95% RH

TEST SPECIFICATIONS
INDUCTANCE, NOMINAL: 0.0188mH

CAPACITANCE @ 1kHz, 0.250VAC MAX, 25°C +/-1°C
LINE TO GROUND, NOMINAL: 2000nF +/-20%
LINE TO LINE, NOMINAL: 6.6µF +/-20%

DISCHARGE RESISTOR
LINE TO GROUND: 3.3MΩ 2W
LINE TO LINE : 5.0MΩ 2W
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6GΩ

HIPOT RATING (ONE MINUTE)
LINE TO GROUND: 2500 VDC FOR 2 SECONDS
LINE TO LINE: 2000 VDC FOR 2 SECONDS

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

TE PN	CATALOG NO.	Y CAPACITANCE (nF)
2-2443552-4	1600 EVX A D	2000

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.1
2 PLC ±0.01
3 PLC ±0.001
4 PLC ±0.0001
ANGLES ±-

MATERIAL -
-

FINISH -
-

DWN C.BOLLE 10JAN2023
CHK L.RAJ 25APR2023
APVD L.RAJ 25APR2023
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

TE Connectivity

NAME
1600 EVX A D
HIGH CURRENT DC EMI FILTER
500V 1600A

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-2-2443552-4	-

CUSTOMER DRAWING | SCALE 1:6 | SHEET 1 OF 2 | REV A

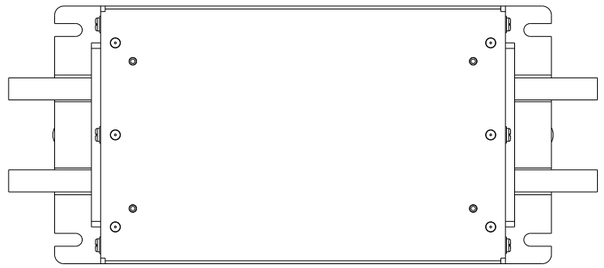
1470-19 (3/13)

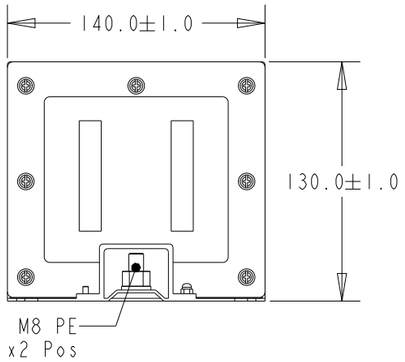
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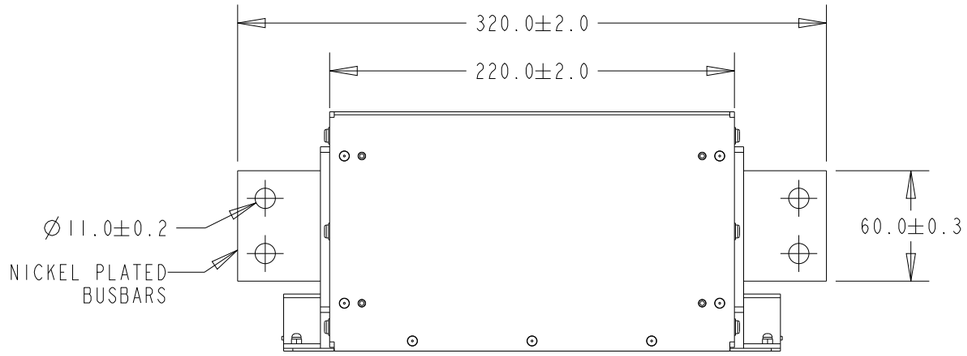
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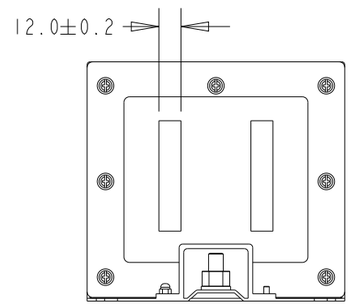
REVISIONS

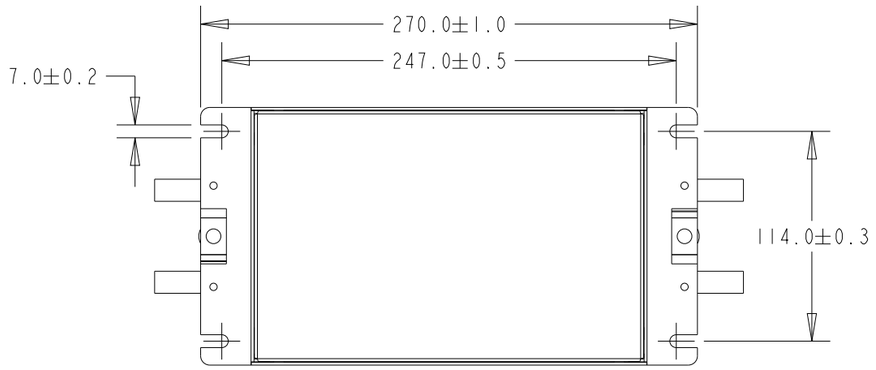
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			











NOTE 1 GROUND CONNECTIONS:
M8 GROUND NUTS TYP. TORQUE (Nm): 7
REMOVE PLASTIC COVER. MAKE CONNECTION. REPLACE PLASTIC COVER.

NOTE 2 INPUT OUTPUT CONNECTION BUSBAR:
CONNECTION METHOD: SCREW CONNECTION M11 FASTENER.

THE ABOVE DATA IS FOR GUIDANCE/REFERENCE ONLY.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	±-
1 PLC	±0.1
2 PLC	±0.01
3 PLC	±0.001
4 PLC	±0.0001
ANGLES	±-

MATERIAL: - / -

FINISH: - / -

DWN	C.BOLLE	10JAN2023
CHK	L.RAJ	25APR2023
APVD	L.RAJ	25APR2023
PRODUCT SPEC	-	
APPLICATION SPEC	-	
WEIGHT	-	

TE Connectivity

NAME: 1600 EVX A D
HIGH CURRENT DC EMI FILTER
500V 1600A

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-2-2443552-4	-

CUSTOMER DRAWING | SCALE 1:6 | SHEET 2 OF 2 | REV A

1470-19 (3/13)

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