

EXTERNAL MBS 20kW

Product number: P-105000044-002

METRIC



EATON CORPORATION

DESCRIPTION: EXTERNAL MBS 20kW

ORIGINATED:	E5900083 /JP	15.05.2015	ECO:	
MODIFIED:	E5900083/JP	20.11.2015	ECD-092408	
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APPROVED:	E5900096/JE		Common sheet	

P-110000473-002

REVISION: STATE: Release

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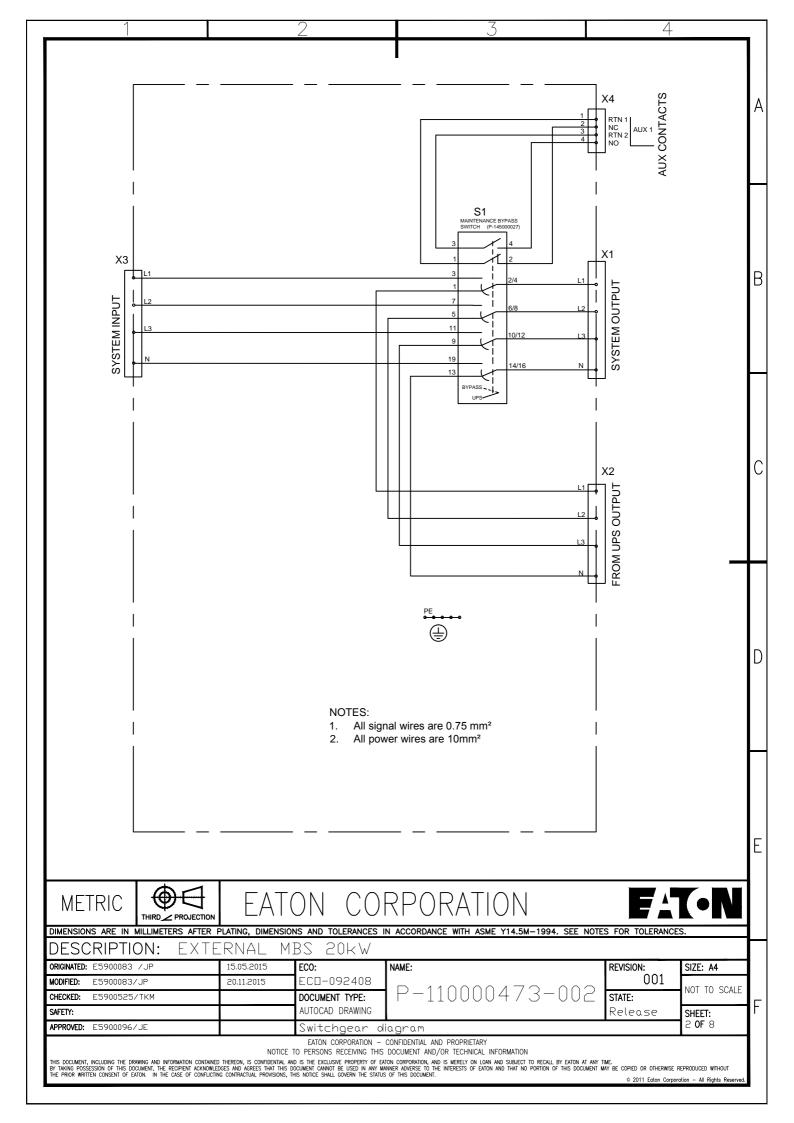
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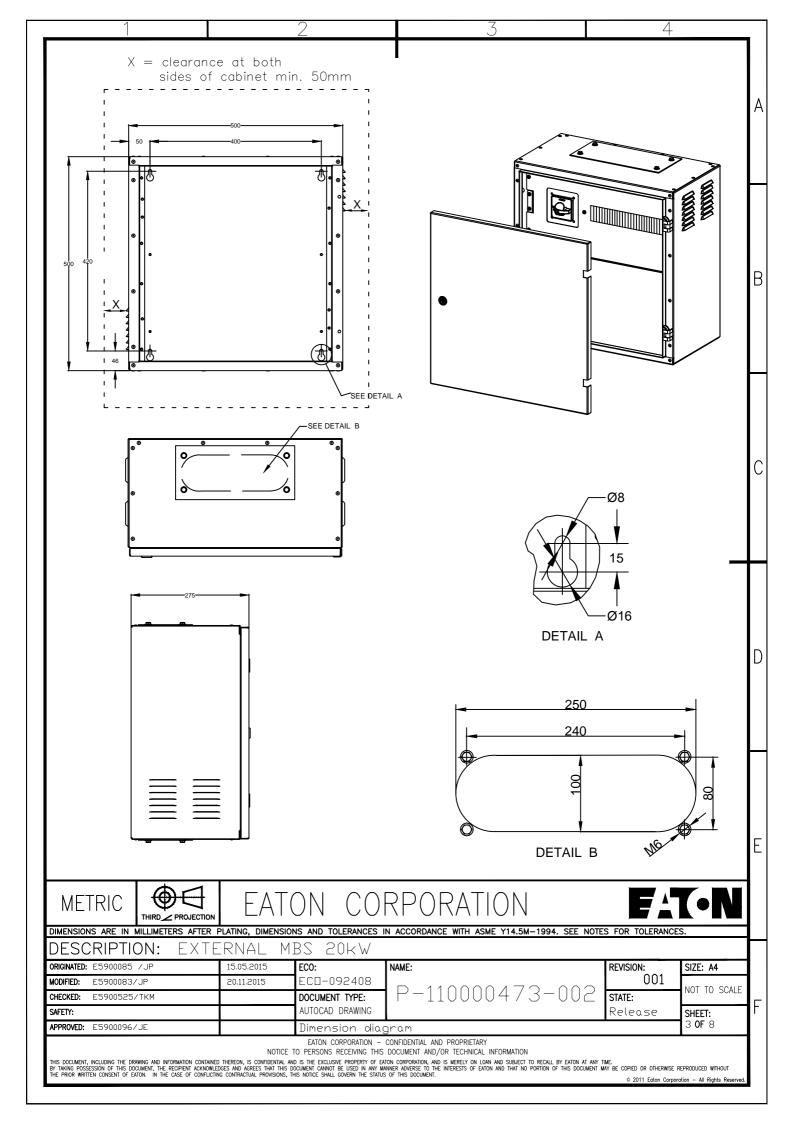
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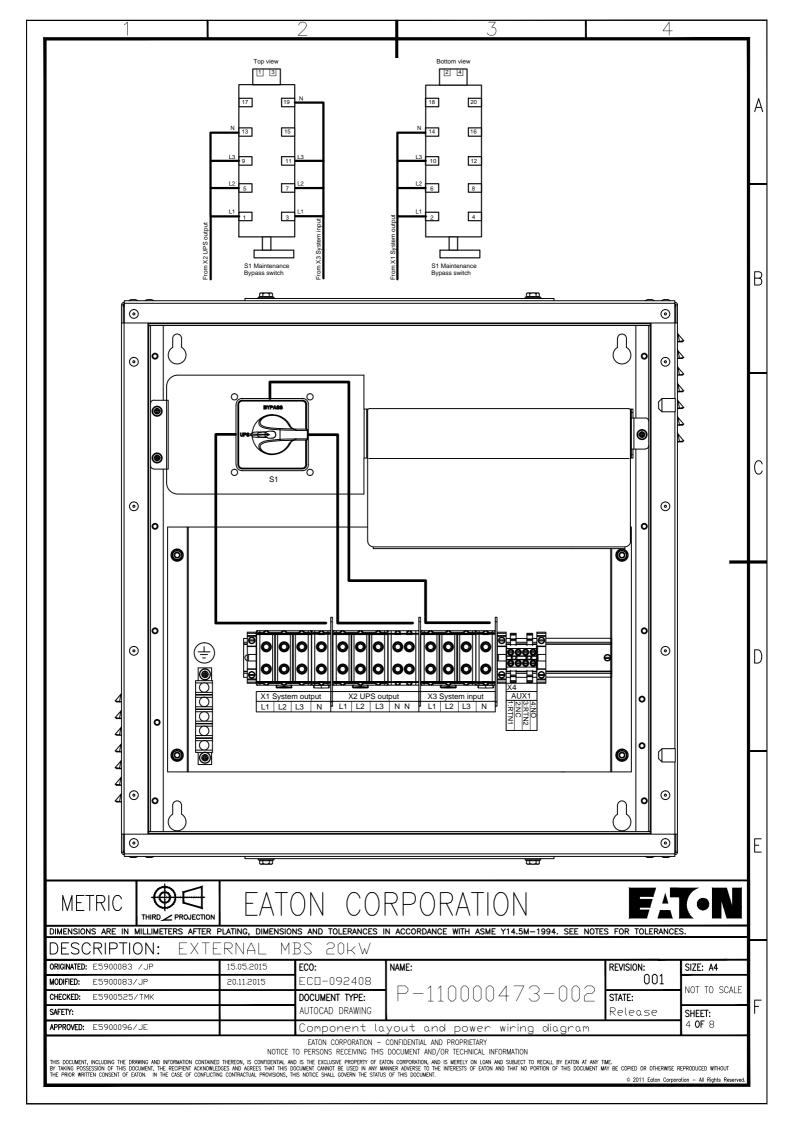
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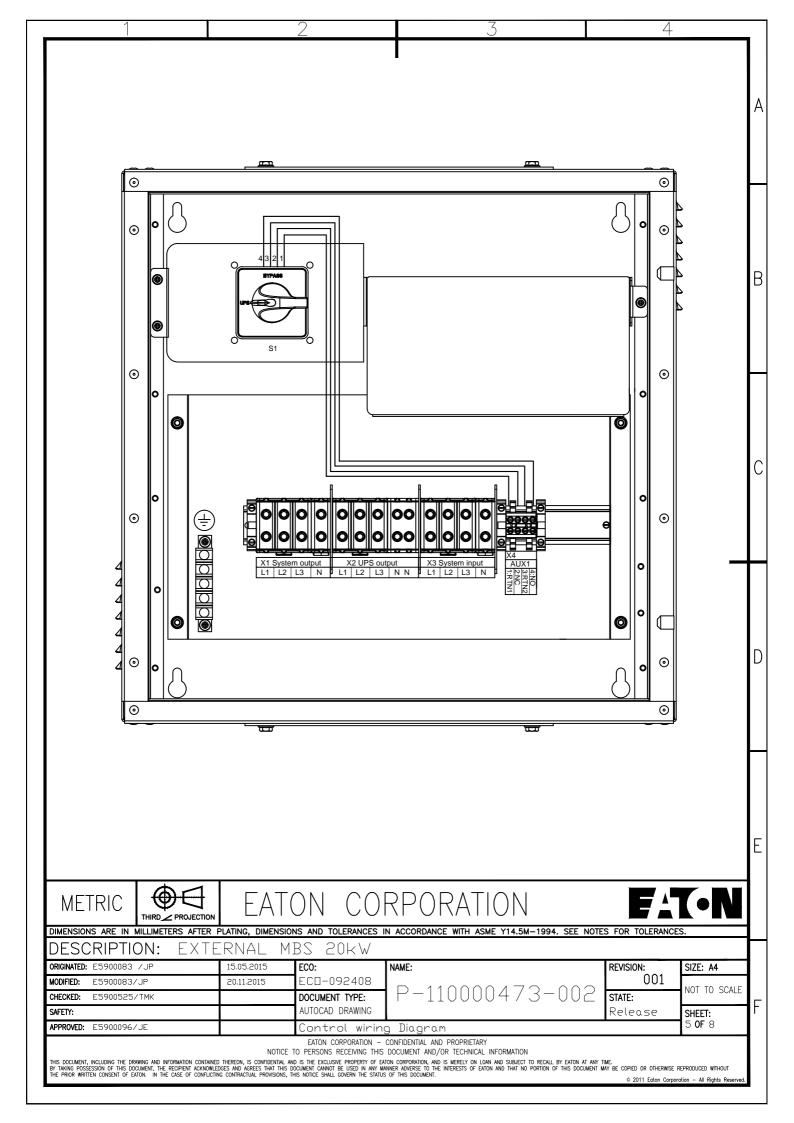
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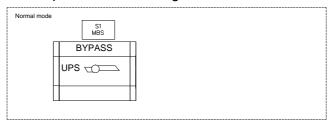


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А	TECHNICAL SPECIFICATION TYPE PLATE, SAMPLE STANDARD IEC/EN 61439-2	
	MAINS TN-S, 5W/3P+N+PE, 380/400/415VAC 3~ 1. Nominal Voltage U _n 380/400/415 V 2. Nominal Current I _{nA} 30/29/28 A 3. Maximum Current I _{max} 36 A 4. Nominal Frequency fn 50/60 Hz 5. Operating Temperature T max +40 °C Max	Α
В	6. Current capability	В
	1. Enclosure Class IP 21 X Note! Outfield location	_
	2. Installation Surficial Wall mounting Floor mounting Additional door Lock—up 2. For external wiring use wire with temperature class min +90°C 4. 4. 5. 4. 5. 4. 5.	C
	4. Color	
	Conduit flange of cable 6. Material specification Cable material 90°C, H07V2-K Cable U/Uo 450/750 Cover material — Other demand —	
С	7. Handle location Door handle Door handle CUSTOMER ELECTRICAL INFORMATION	
	1. MAINS TN-C-S 口TN-S 図	H
	2. LOAD POWER SkVA PkW p.f	E
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ORIO MOD CHE SAF	ESCRIPTION: EXTERNAL MBS 20kW 15.05.2015 ECO: NAME: POLITION: E5900083 / JP 15.05.2015 ECO: NAME: POLITION: E5900083 / JP 20.11.2015 ECO: DOCUMENT TYPE: AUTOCAD DRAWING ETY: AUTOCAD DRAWING General information EVENT FOR E800096/JE General information EXTERNAL MBS 20kW SIZE: A4 MOT TO SCALING NOT TO SCALING STATE: Release SHEET: 6 OF 8 EVENT STATE: SHEET: 6 OF 8 EVENT STATE: SHEET: COURT STATE: SHEET: COURT STATE: CO	E F
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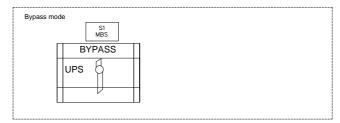
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Turn UPS from NORMAL MODE to MECHANICAL BYPASS

1. The start position is following:



- 2. Use UPS display to turn the UPS on internal static bypass mode. Remember to verify the transfer before proceeding the next step.
- Turn the MBS (S1) to bypass position to bypass UPS: 3.



- 4. Use UPS display to turn UPS OFF
- 5. Turn the UPS Battery Breaker (CB1) if not automatically tripped and UPS Rectifier Input Switch (S1) to OFF position.
- 6. Use the external isolators to isolate the UPS rectifier input and bypass input before maintenancing the UPS.

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DIMENSIONS ARE IN MILLIMETERS AFTER PLATING, DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-1994. SEE NOTES FOR TOLERANCES

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APPROVED: E5900096/JE		Operating Instructions			7 0F 8	

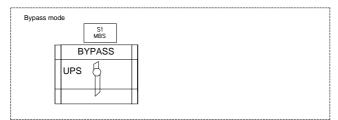
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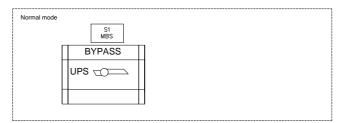
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Turn UPS from MECHANICAL BYPASS to NORMAL MODE

1. The start position is following:



- 2. Use the external isolators to restore bypass and rectifier feed to the UPS.
- 3. Turn the UPS Battery Breaker (CB1) and UPS Rectifier Input Switch (S1) to ON position.
- Use UPS display to transfer the UPS to static bypass and give "Start Module" command to start the UPS(s) to "ready "-state.
 - -Make sure the UPS is not displaying any alarms or notices.
 - -You may verify the output voltage from the meters screen of the display.
- 5. Turn the MBS (S1) to UPS position to switch the output to UPS:



Use UPS display to transfer the UPS to normal mode (Give "Go Online"- command 6. in the "Controls"-menu). Verify the UPS is running in "Normal"-mode, green LED is lit, status is displayed "Online" and no alarms are present.

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