

## EXTERNAL MBS 40kW

Product number: P-105000045-002

**METRIC** 



EATON CORPORATION

MBS 40kW DESCRIPTION: EXTERNAL

ORIGINATED:	E5900083 /JP	13.05.2015	ECO:	ľ
MODIFIED:	E5900083/JP	24.11.2015	ECD-092408	
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APPROVED:	E5900096/JE		Common shee	t

P-110000474-002

STATE: Release

REVISION:

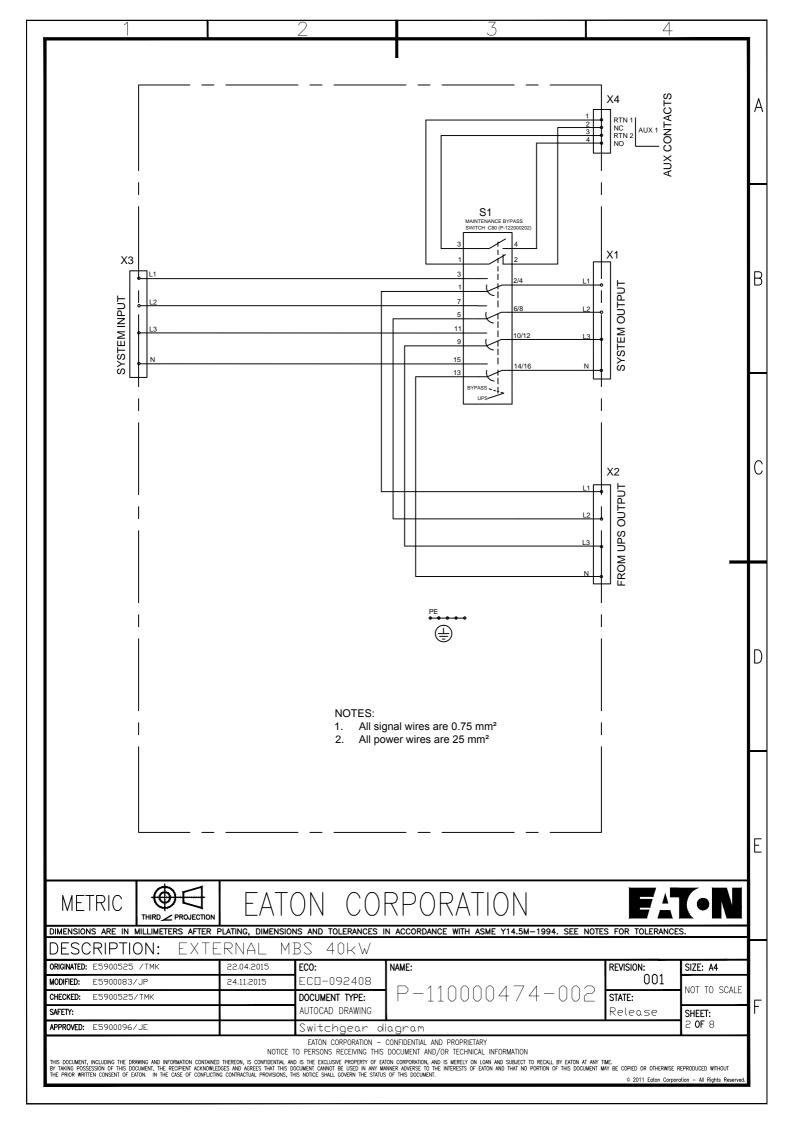
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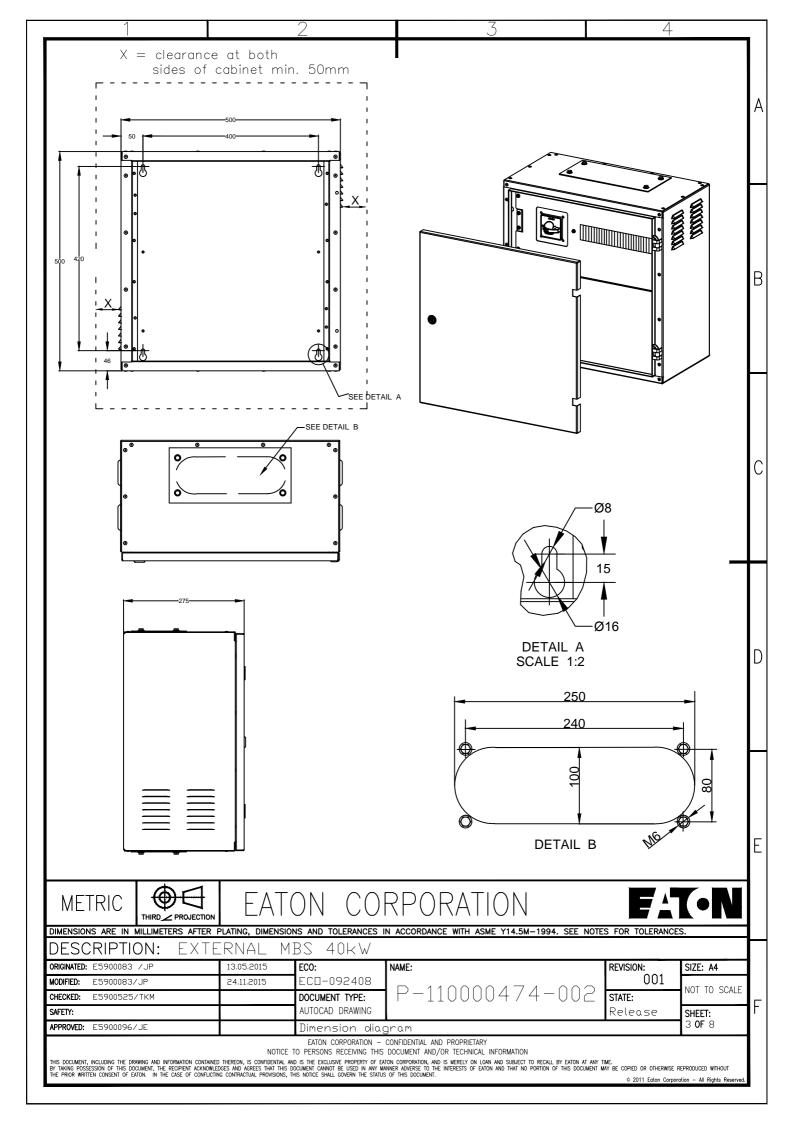
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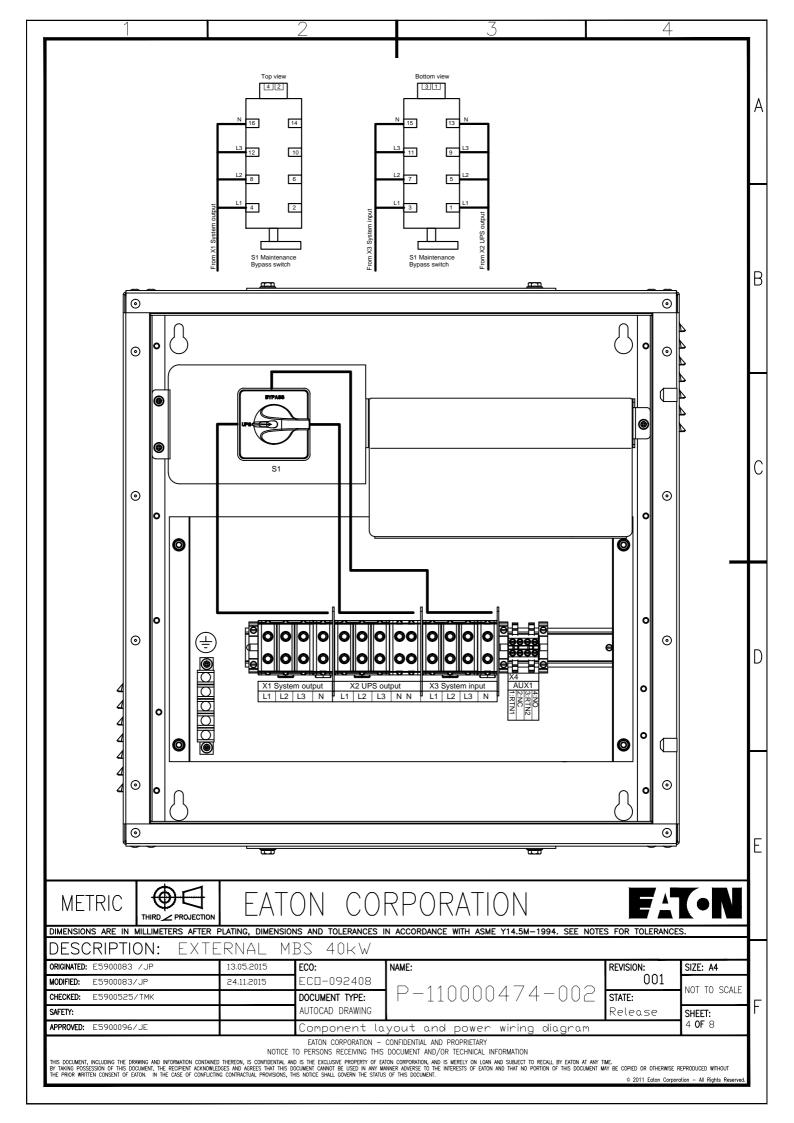
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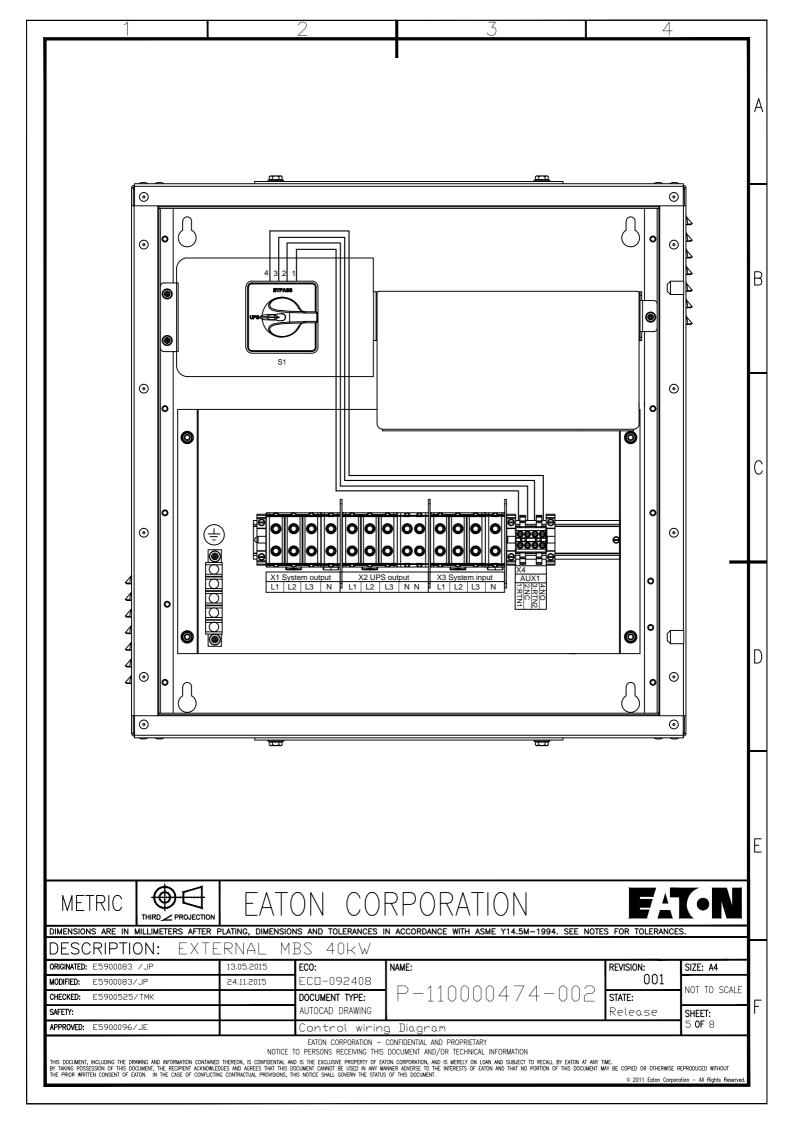
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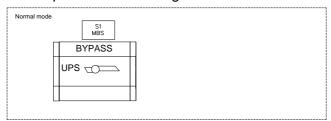




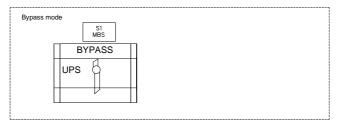
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A TECHNICAL SPECIFICATION STANDARD IEC/EN 61439-2	TYPE	PLATE, SAN	MPLE	
MAINS TN-S, 5W/3P+N+PE, 380/400/415VA  1. Nominal Voltage U <sub>n</sub> 380/400, 2. Nominal Current I <sub>nA</sub> 61/58/5 3. Maximum Current I <sub>max</sub> 72 A 4. Nominal Frequency fn 50/60 B 5. Operating Temperature T max +40 °C	(415 V 6 A EXT MBS 40 PART Nr:	P-105000045-002	Rev: 003	
6. Current capability	SERIAL Nr  A *)  MAINS: TN  Un: 38  InA: 61  fn: 50  Icc: 10  IEC61439-	0/400/415V WEIGHT: /58 /56A /60Hz kA 2	23kg	58
1. Enclosure Class IP 21  Outfield location Interior location  2. Installation Surficial Wall mounting Floor mounting 3. Additional door Lock—up	1. Back-up fus 2. For external 3. 4. 5.	se required for system inp wiring use wire with tem		n +90°C
4. Color  Common color RAL7035  Custom color Eaton dwg  5. Cabling entry 164700509-001  Top entry Bottom entry Conduit flange of cable  6. Material specification Cable material 90°C, H07V2-K Cable U/Uo 450/750 Cover material				
C CUSTOMER ELECTRICAL INFORMATION  1. MAINS  TN-C-S	handle ] ] ] ] ]			
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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.
- 3. Turn the MBS (S1) to bypass position to bypass UPS:



- 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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<b>APPROVED:</b> E5900096/JE		Operating Instructions 7 <b>0F</b> 8			7 <b>0F</b> 8	

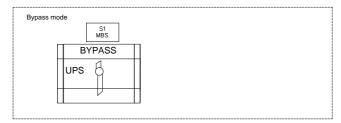
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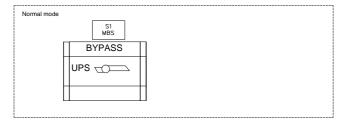
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## Turn UPS from MECHANICAL BYPASS to NORMAL MODE

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" 4. 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 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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