

## EXTERNAL MBS 40kW

Product number: P-105000045-002

**METRIC** 



EATON CORPORATION

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EXTERNAL MBS 40kW DESCRIPTION:

ORIGINATED:	E5900083 /JP	13.05.2015	ECO:	NAME:
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REVISION: STATE: Release

SIZE: A4 NOT TO SCALE

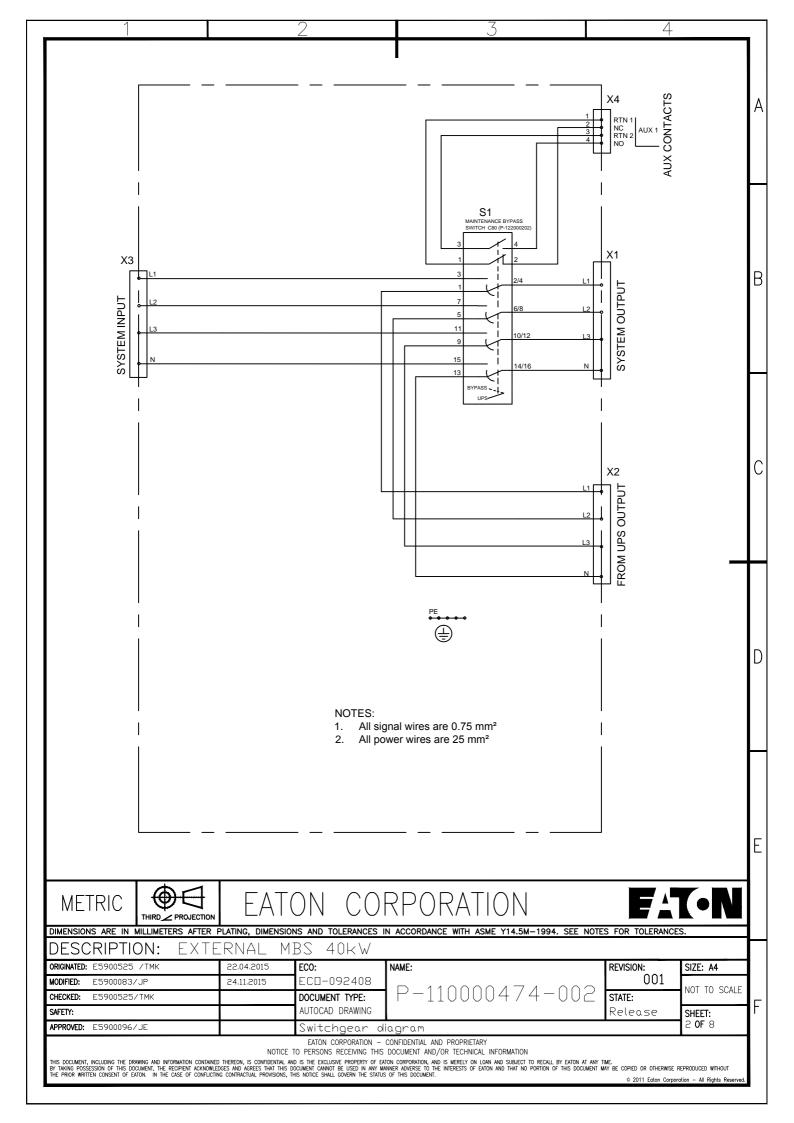
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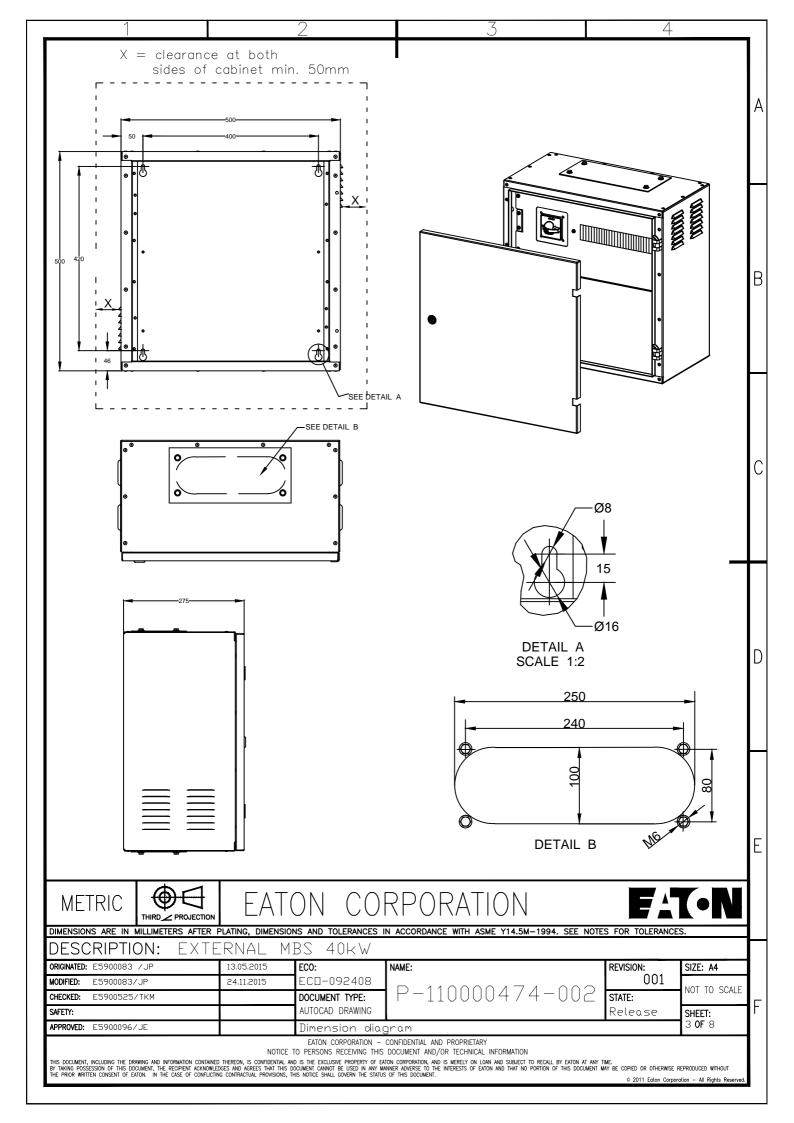
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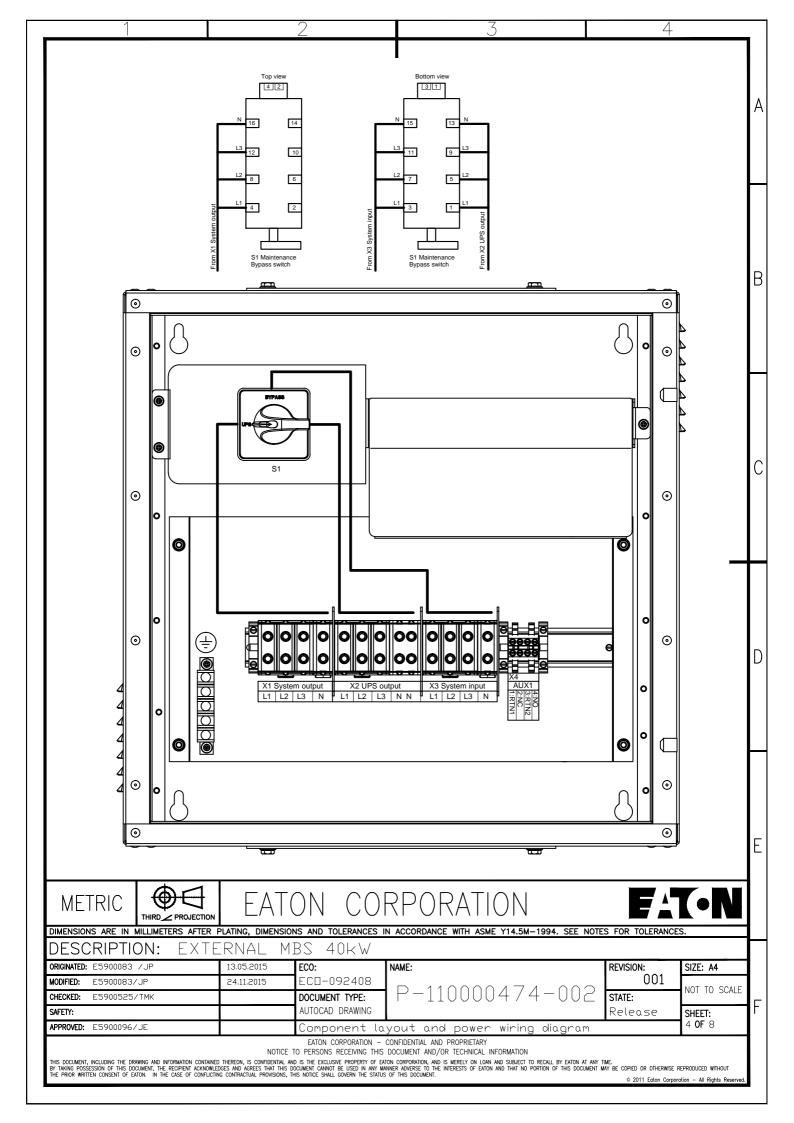
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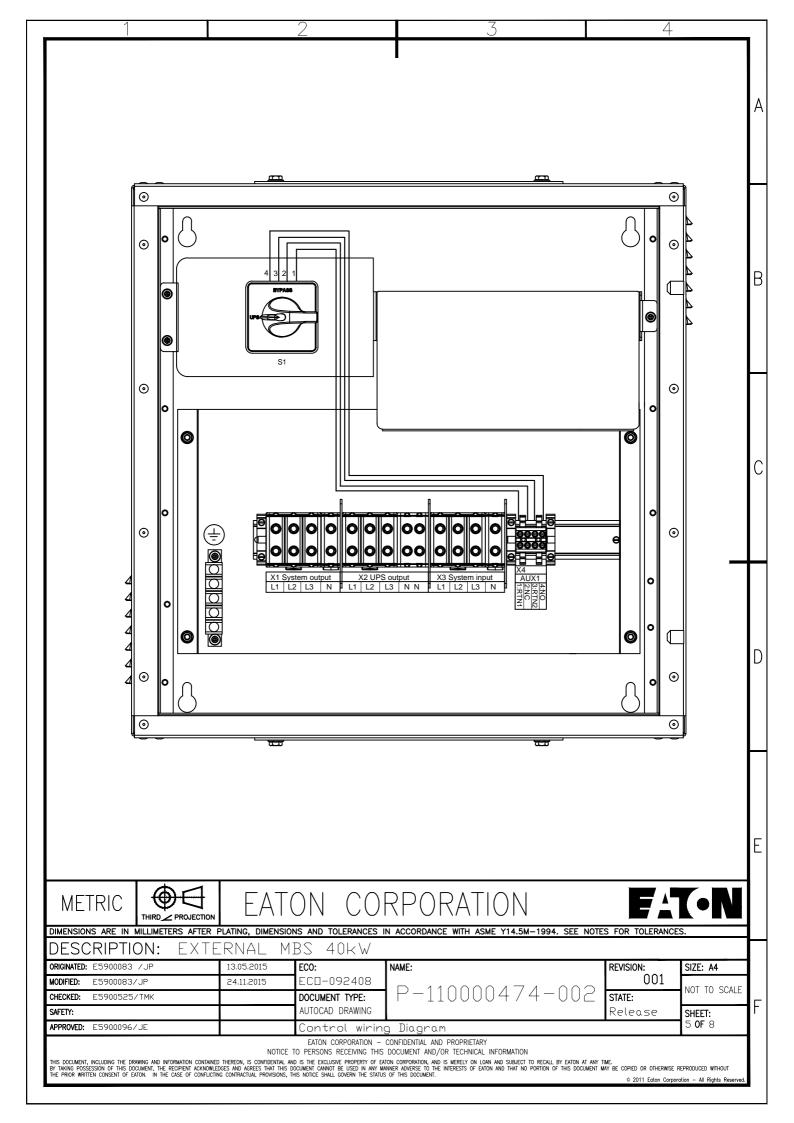
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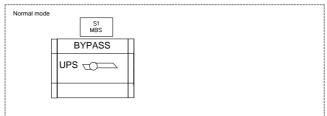




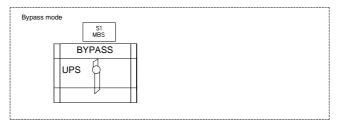
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A TECHNICAL SPECIFICATION STANDARD IEC/EN 61439-2	TY	PE PLATE,	SAMPLE	
MAINS TN-S, 5W/3P+N+PE, 380/400/415'  1. Nominal Voltage U <sub>n</sub> 380/40  2. Nominal Current I <sub>nA</sub> 61/58  3. Maximum Current I <sub>max</sub> 72  4. Nominal Frequency fn 50/60  5. Operating Temperature T max +40	0/415 V /56 A EX - Hz	80 ' <b>AT•N</b> T MBS 40kw RT Nr: P-105000045-00		
6. Current capability  Thermal  Dynamical  7. Power dissipation  8. Electrical Wiring AC  L1  L2  L3  N  PE  PEN  B  CONSTRUCTION OF SWITCHGEAR	KA *)  KA Un  In  In  In  In  In  In  In  In  In	: 380/400/415V WE A: 61 /58 /56A : 50/60Hz c: 10kA C61439-2	1545 ASS: IP21 IGHT: 23kg	28
1. Enclosure Class IP 21 Outfield location Interior location  2. Installation Surficial Wall mounting Floor mounting 3. Additional door		: k-up fuse required for sys external wiring use wire w	· · · · · · · · · · · · · · · · · · ·	in +90°C
Lock-up  4. Color Common color RAL7035 Custom color <u>Eaton dwg</u> 5. Cabling entry Top entry Bottom entry Conduit flange of cable				
6. Material specification Cable material 90°C, H07V2-K Cable U/Uo 450/750 Cover material Other demand	□ Dr handle			
C CUSTOMER ELECTRICAL INFORMATION  1. MAINS  TN-C-S TN-S IT				
2. LOAD POWER S P p.f	_kva _kw -			{
METRIC THIRD PROJECTION EAT (		CORDANCE WITH ASME Y14.5M-199		<b>(-N</b>
DESCRIPTION:         EXTERNAL         M.           ORIGINATED:         E5900083/JP         13.05.2015           MODIFIED:         E5900083/JP         24.11.2015           CHECKED:         E5900525/TKM           SAFETY:         APPROVED:         E5900096/JE	ECO: NAMI ECO-092408 DOCUMENT TYPE: AUTOCAD DRAWING General information	°-110000474-	REVISION: 001 STATE: Release	SIZE: A4  NOT TO SCALE  SHEET: 6 OF 8
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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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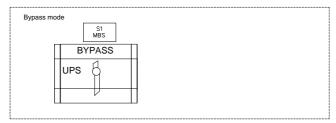
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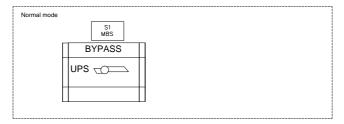
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## Turn UPS from MECHANICAL BYPASS to NORMAL MODE

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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