

EXTERNAL MBS 20kW WITH BYPASS INPUT BREAKER

Product number: P-105000044-003

METRIC

EATON CORPORATION

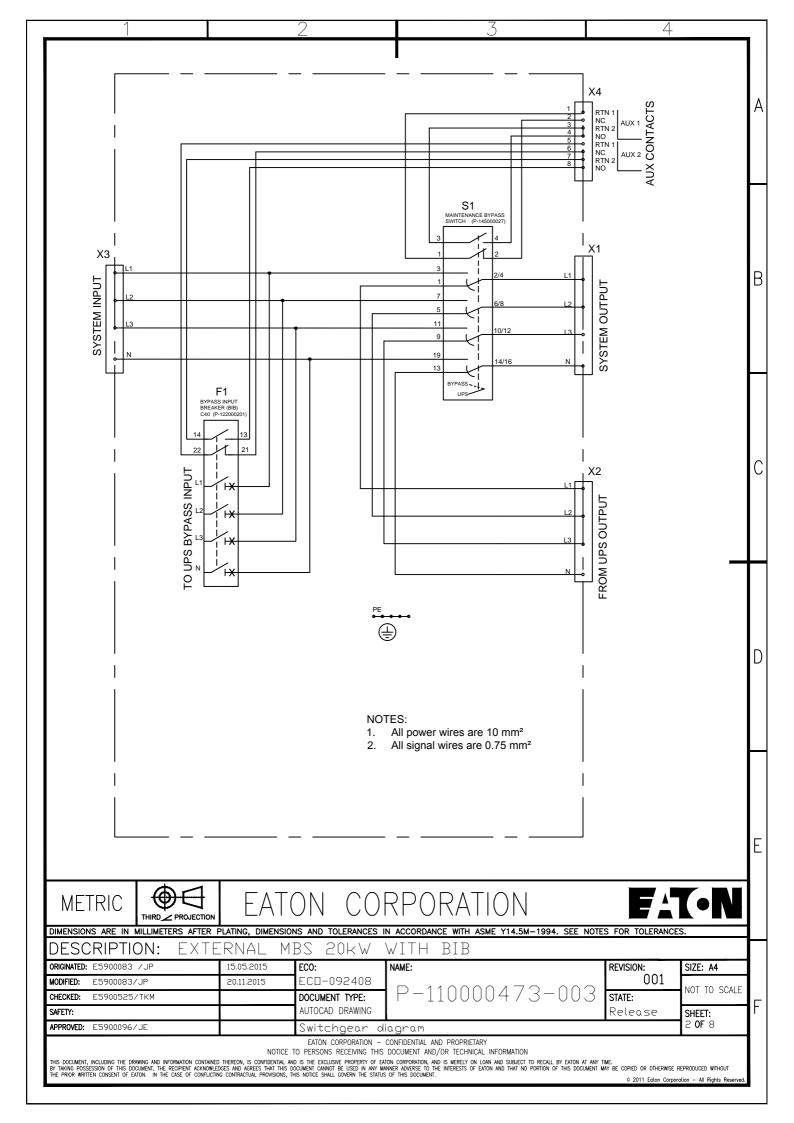
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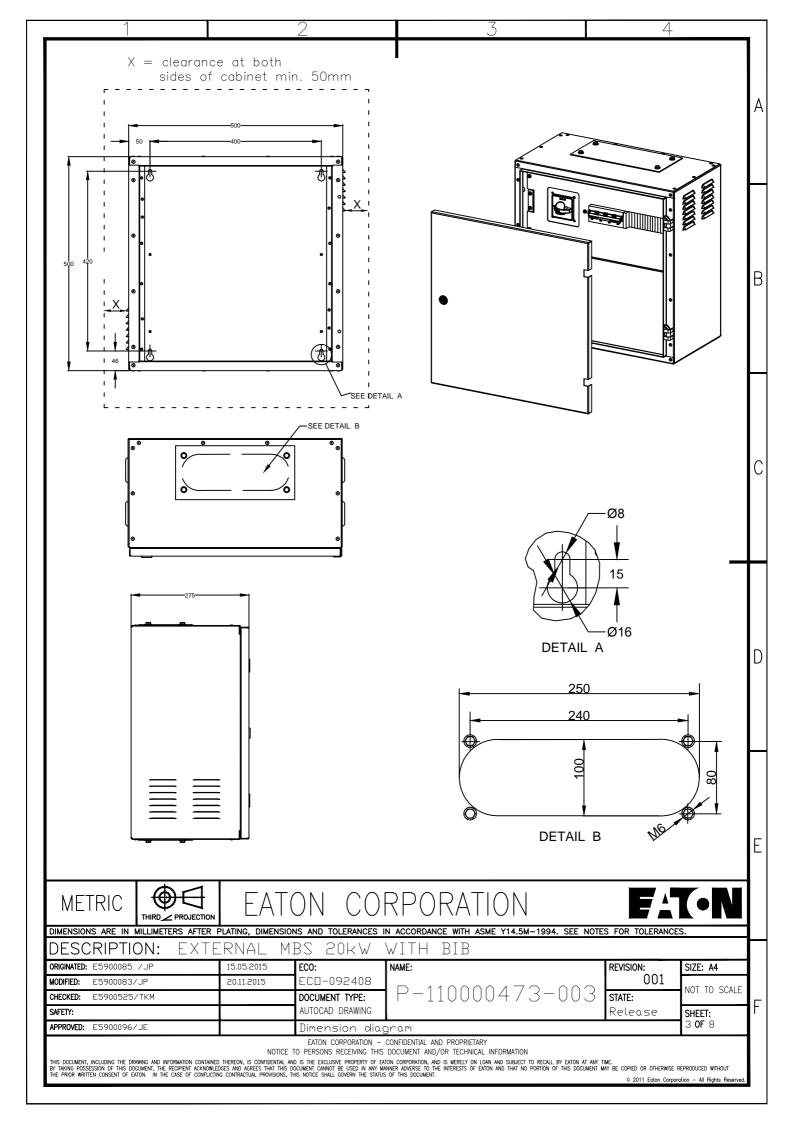
DESCRIPTION: EXTERNAL MBS 20kW WITH BIB

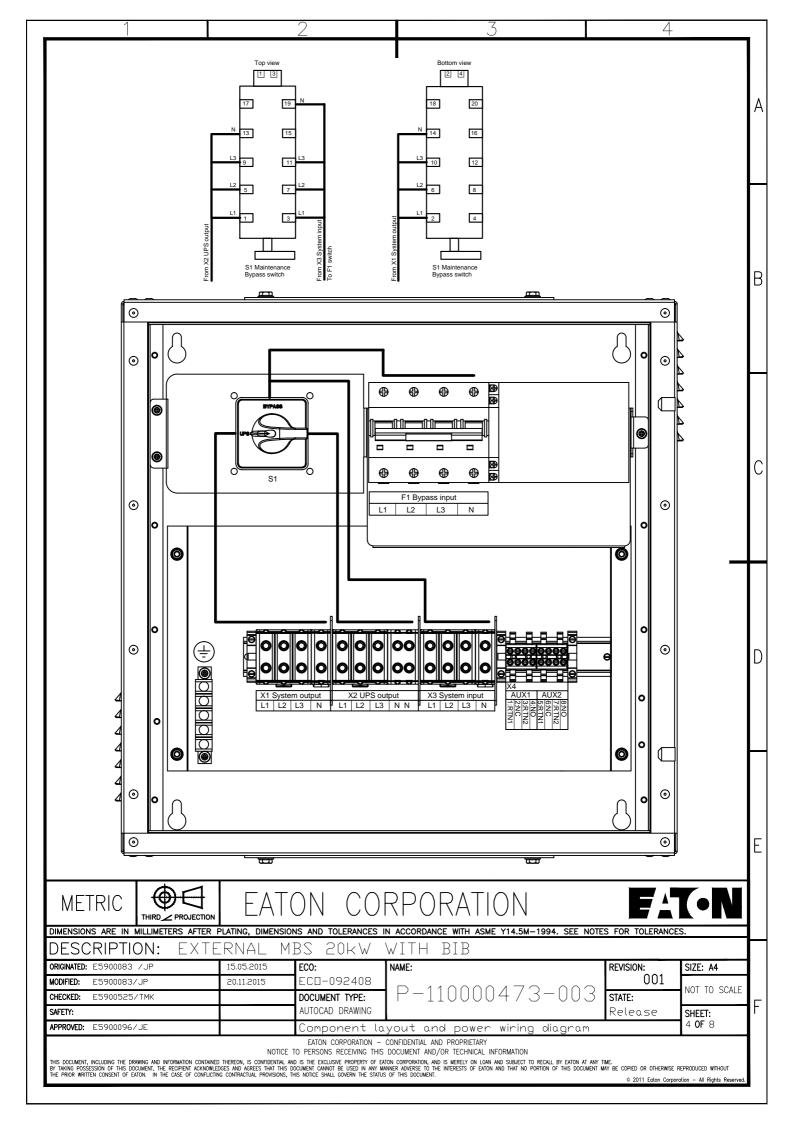
ORIGINATED:	: E5900083 /JP	15.05.2015	ECO:	NAME:	REVISION:	SIZE: A4
MODIFIED:	E5900083/JP	20.11.2015	ECD-092408		001	NOT TO SCALE
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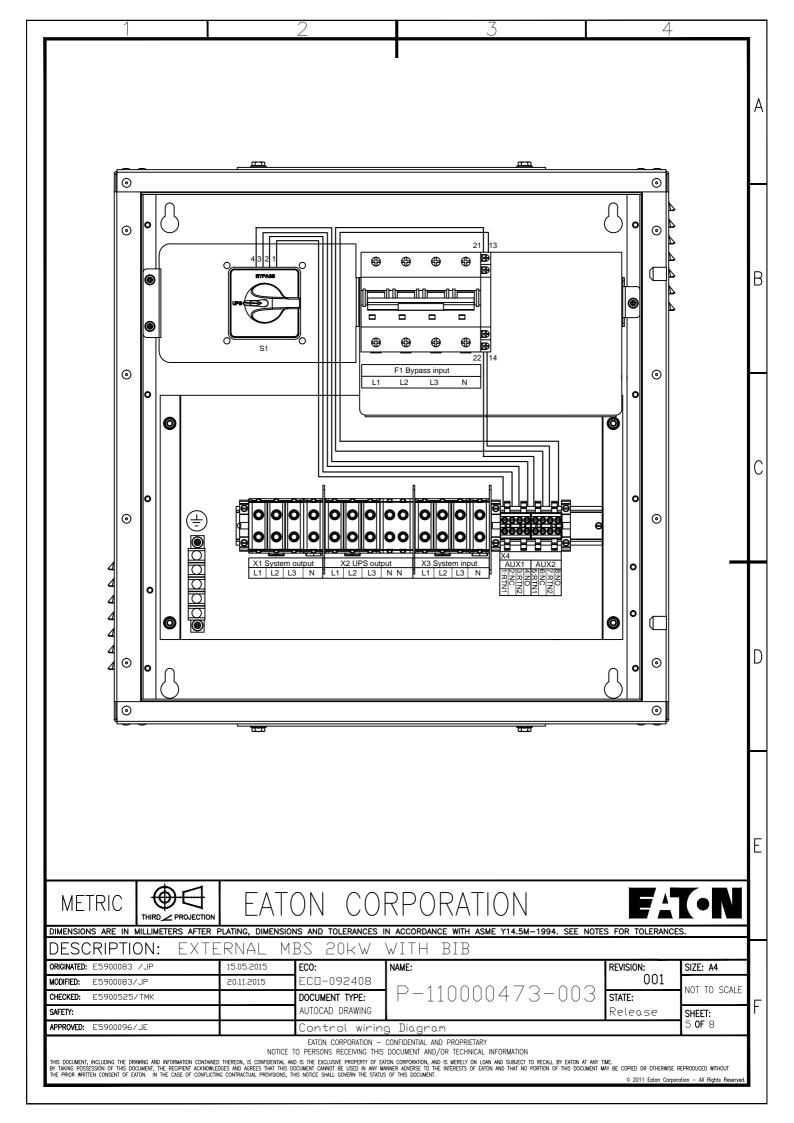
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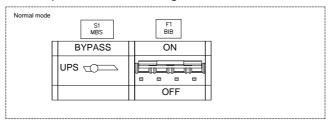




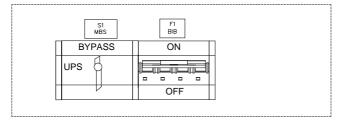
	2 3 4
A TECHNICAL SPECIFICATION STANDARD IEC/EN 61439-2	TYPE PLATE, SAMPLE
MAINS TN-S, 5W/3P+N+PE, $380/400/415$ 1. Nominal Voltage 2. Nominal Current 3. Maximum Current 4. Nominal Frequency 5. Operating Temperature $T \underline{max} = \frac{36}{100}$	00/415 V 9/28 A EXT MBS 20kW WITH BIB
6. Current capability Thermal Dynamical 7. Power dissipation 8. Electrical Wiring AC L1 L2 L3 N PE PE PEN	SERIAL Nr: 2761000100 1545 KA *)
CONSTRUCTION OF SWITCHGEA	
1. Enclosure Class IP 21 Outfield location Interior location 2. Installation Surficial Wall mounting Floor mounting 3. Additional door	Note! 1. Back—up fuse required for system input 40A gG 2. For external wiring use wire with temperature class min +90°C 3. 4. 5.
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 —	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
C CUSTOMER ELECTRICAL INFORMATION	
1. MAINS TN-C-S TN-S IT	
2. LOAD POWER S P p.f	_kva _kw
	ON CORPORATION EATON INS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-1994. SEE NOTES FOR TOLERANCES.
ORIGINATED: E5900083 /JP 15.05.2015	BS 20kW WITH BIB ECO: NAME: REVISION: SIZE: A4
MODIFIED: E5900083/JP 20.11.2015 CHECKED: E5900525/TKM	ECC - 092408 P - 110000473-003 STATE: NOT TO SCALE
SAFETY: APPROVED: E5900096/JE	AUTOCAD DRAWING Release SHEET: General information 6 0F 8
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Turn UPS from NORMAL MODE to MECHANICAL BYPASS

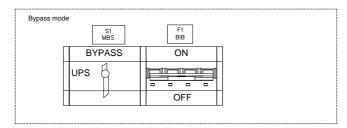
1. The start position is following:



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



- Use UPS display to turn UPS OFF. 4.
- 5. Turn the UPS Battery Breaker (CB1) if not automatically tripped and UPS Rectifier Input Switch (S1) to OFF position.
- Turn OFF the BIB (F1) to disconnect UPS from bypass and rectifier 6. input:



Use the external isolator to isolate the UPS rectifier input before maintenancing the UPS, unless the UPS is supplied from a single feed.

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WITH ASME Y14.5M-1994. SEE NOTES FOR TOLERANCE

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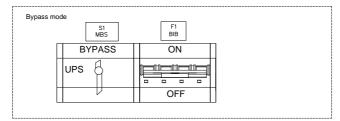
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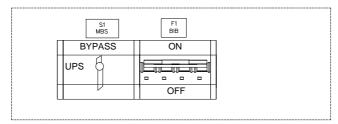
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Turn UPS from MECHANICAL BYPASS to NORMAL MODE

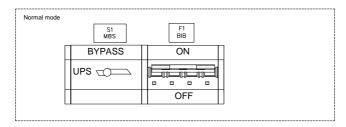
1. The start position is following:



2. Turn ON the BIB (F1) to connect Bypass and rectifier input to UPS:



- 3. Use the external isolator to restore rectifier feed to the UPS, unless the UPS is supplied from a single feed.
- 4. Turn the UPS Battery Breaker (CB1) and UPS Rectifier Input Switch (S1) to ON position.
- 5. 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.
- Turn the MBS (S1) to UPS position to switch the output to UPS: 6.



7. 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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