Conductor Insulation Colour		
Ref	Number	RoW
1L	*1	Brown
2L	*2	Black
3L	*3	Grey
3*N	*4	Blue
230V	*5	Red
3*N	*6	Light Blue
24v	*7	Dark Blue
0v	*8	Violet
IP/OP	*9	Yellow
Earth	*10	Green & Yellow
I/O Cable	*11	White
I/O Cable	*12	Brown
I/O Cable	*13	Green

Panel Upgrade 2 & 3 Phase MCCB ISOL Size 380-480V	
System	MCCB Size
1x1500 ECL-115	10A
2x1500 ECL-215	15A
2x2000 ECL-220	20A
2x2500 ECL-225	20A
2x3000 ECL-230	25A
2x3300 ECL-233	25A
4x2500 ECL-425	30A
4x3000 ECL-430	35A
4x3300 ECL-433	35A

Panel Upgrade 2 & 3 Phase 1L1-1L3 Cable Size 380-480V		
System	Cable Size (Cross Sectional Area)	Cable Size (AWG)
1x1500 ECL-115	2.5mm2	12
2x1500 ECL-215	2.5mm2	12
2x2000 ECL-220	2.5mm2	12
2x2500 ECL-225	2.5mm2	12
2x3000 ECL-230	4mm2	10
2x3300 ECL-233	4mm2	10
4x2500 ECL-425	4mm2	10
4x3000 ECL-430	6mm2	8
4x3300 ECL-433	6mm2	8

Panel Upgrade 2 & 3 Phase MCB EB1-EB6 Sizes						
System	MCB1	MCB2	MCB3	MCB4	MCB5	MCB6
1x1500 ECL-115	6A	NA	NA	NA	NA	NA
2x1500 ECL-215	6A	6A	NA	NA	NA	NA
2x2000 ECL-220	10A	10A	NA	NA	NA	NA
2x2500 ECL-225	10A	10A	NA	NA	NA	NA
2x3000 ECL-230	16A	16A	NA	NA	NA	NA
2x3300 ECL-233	16A	16A	NA	NA	NA	NA
4x2500 ECL-425	10A	10A	10A	10A	NA	NA
4x3000 ECL-430	16A	16A	16A	16A	NA	NA
4x3300 ECL-433	16A	16A	16A	16A	NA	NA

CAT-5/6 Cable PINOUT (ATUV-1040 Wiper to Ballast1 Cable Only)	
ATUV-1040 Connector PIN	Ballast Connector PIN
4 (blue)	1
5 (blue/white)	2
8 (brown)	3

NOTES:

1. INSTRUMENT EARTH BAR TO BE BONDED TO PROTECTIVE EARTH INSIDE PANEL.

REV	DESCRIPTION	DATE	DWN	CKD	APPD	ECN
E	BALLAST LAMP OUTPUT CHANGE	29.11.23	MS	JE	MP	ECN0228
D	ANALOGUE TERMINALS UPDATED	05.04.23	MS	JE	MP	ECN0194
C	0V CONDUCTOR COLOUR UPDATED TO VIOLET	07.03.22	MS	JE	MP	ECN0131
B	UPDATED ALL INCORRECT COMMON I/O DIP SETTINGS	12.01.22	MS	JE	MP	ECN0125
A	ISSUED FOR MANUFACTURE	17.11.21	MS	JE	MP	

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DWN BY: MS	DATE 17.11.21	
CKD BY: JE	DATE 17.11.21	
APPD BY: MP	DATE 17.11.21	
MGD BY:	SCALE NTS	
PART NUMBER		

TITLE: PU_ES_2x1500_H03253_11E2_1_IO
CONTROL PANEL
ELECTRICAL SCHEMATIC

CLIENT

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PROJ/PROD NUMBER	CODE	FILE/DRAWING NUMBER	SHEET	REV
	EC-DOS01	PU_ES_2x1500_H03253_11E2_1_IO	1 OF 1	E

Doc Type:
BAR = 25mm AT PLOT SCALE Doc Group:
STD:297x420_A3 v1.4