DROPBOXDRAUGHTSMAN Your Engineerng Design Partner Phone No.: +254795474704 DROPBOX DRAUGHTSMAN Your Engineering Design Partner Email: dropboxdraughtsman@gmail.com **⇔** CLIENT MULTIMEDIA UNIVERSITY MMU AUTOMATIC LIGHTING PROJECT **⇔** BOARD DESCRIPTION **AUTOMATIC LIGHTING CONTROL PANEL** DDMMU/001/2025 **◇ DRAWING NUMBER APPROVAL ⇔** REVISION DROPBOX DRAUGHTSMAN Title page / cover sheet MULTIMEDIA UNIVERSITY MMU AUTOMATIC LIGHTING PROJECT AUTOMATIC LIGHTING CONTROL PANEL Your Engineering Design Partner

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MANUFACTURING STANDARD	KS IEC 61439-2		
VOLTAGE PROTECTION			
RATED VOLTAGE (Un)	415 V		
RATED IMPULSE WITHSTAND VOLTAGE (Uimp)	6 kV		
RATED INSULATION VOLTAGE (Ui)	1000 V		
CONTROL VOLTAGE	240 V		
RATED OPERATIONAL VOLTAGE (Ue)	690 V		
CURRENT PROTECTION			
RATED CURRENT (Ina)	125 A		
RATED PEAK WITHSTAND CURRENT (Ipk)	6 kA		
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (Icc)	6 kA		
RATED SHORT-TIME WITHSTAND CURRENT (Icw)	6 kA/1 sec		
RATED DIVERSITY FACTOR (RDF)	0.7		
NATURE OF SHORT CIRCUIT PROTECTIVE DEVICE	CIRCUIT BREAKER		
MECHANICAL			
PAINT COLOUR	RAL 7035		
DIMENSIONS (L x D x H)	mm		
WEIGHT (kgs)	WEIGHT		
FORM OF SEPARATION	1		
CABLE ENTRY/EXIT	TOP/ TOP		
ELECTRICAL CONNECTION OF FUNCTIONAL UNITS	FFF		
BUSBAR SIZE (mm²)	BUSBAR SIZE		
DOSDAR SIZE (IIIII)	SINGLE CUBICLE		
EXTERNAL DESIGN			

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TYPE OF EARTH	TN-S			
RATED FREQUENCY (fn)	50 Hz			
LINE TO NEUTRAL VOLTAGE	240 V			
OCATION				
COUNTRY OF DESTINATION	KENYA			
INDOOR/OUTDOOR	INDOOR			
DEGREE OF PROTECTION	IP 64			
PORTABILITY	STATIONARY			
EMC CLASSIFICATION	В			
POLLUTION DEGREE	3			
SPECIAL SERVICE CONDITIONS				
INTENDED USE BY	INSTRUCTED			
PROTECTION AGAINST ELECTRIC SHOCK	BASIC - BARRIER OR ENCLOSURE REQUIRE KEY TO OPEN			
OPERATION BY	AUTHORIZED PERSONS			

POWER 415VAC - L1	RED	RD		
POWER 415VAC - L2	YELLOW	YE		
POWER 415VAC- L3	BLUE	BU		
POWER 415VAC- N	BLACK	BL		
EARTH PROTECTION	GREEN/YELLOW	GN/YE		
AUX POWER 240VAC - L	RED	RD		
AUX POWER 240VAC - N	BLACK	ВК		
CONTROL 240VAC - L	GREY	GY		
CONTROL 240VAC - N	BLACK	BL		
CONTROL +24VDC	BLUE	BU		
CONTROL -24VDC	BLACK	ВК		
ANALOGUE SIGNALS+	VIOLET	VT		
ANALOGUE SIGNALS-	YELLOW	YE		
CONTROL CIRCUITS	1.0 mm	1.0 mm²		
CURRENT CIRCUITS	2.5 mm²			
VOLTAGE CIRCUITS	1.5 mm²			

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CLIENT: MULTIMEDIA UNIVERSITY

PROJECT: MMU AUTOMATIC LIGHTING PROJECT

BOARD: AUTOMATIC LIGHTING CONTROL PANEL

Technical Specifications DRG No: DDMMU/001/2025

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	=GA/6	General A	Arrangement			
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	=SCH/9	Multi Line	2			
	=CTL/10	Controls				
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