



1768-E-0700
SCHEDULE E0700

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Rev	Purpose	Originator	Approved	Date
01	Preliminary issue	S Lissamore	S Fears	09/05/2021

Circuits schedule with incomers report : Main DB				MODECSOFT
Company	SOUTHEAST ELECTRICAL SOLUTIONS	Designer	STEVE LISSAMORE	

Served From: Supply / Fuse 1P 63A/80kA / Located: Other Electrical installation

Design Zs/MaxZs: 0.3524/0.7744Ω

Design Ief: 0.62

Design Isc: 0.65

Design Vd: 0% @ 230V = 0V

Earthing Arrangements: TN-C-S

Frequency: 50Hz

Design Voltage at input Terminals (AC): 230V

					Power factor Diversity factor 3rd Harmonics %			Connected load (A) Diversified load (A) Diversified+Spare load (A)		
From description		Supply Conductors	Main Switch/Disconnect/Isolator		L1	L2	L3	L1	L2	L3
Incomer	Supply	2x1Cx25mm ² + 1x25mm ² E Pvc70/S/Cu Length: 2m	Isolator 125A		1 1 0			4.52 4.52 4.52		
Way	Phase	Description	Conductor	Protective devices	L1	L2	L3	L1	L2	L3
1	L1	Lighting Feed 1 East	3Cx4mm ² + E(cable core and armour) SwaPvc70/M/Cu Length: 350m	RCBO C 1P 30mA Instant AC 6A/10kA Eaton EMCH Type C 10kA - 30mA	1 1 0			1.65 1.65		
2	L1	Lighting Feed 2 West	3Cx4mm ² + E(cable core and armour) SwaPvc70/M/Cu Length: 350m	RCBO C 1P 30mA Instant AC 6A/10kA Eaton EMCH Type C 10kA - 30mA	1 1 0			0.65 0.65		
3	L1	Lighting control	2x1Cx1mm ² + 1x1.5mm ² E Pvc70/S/Cu Length: 10m	RCBO B 1P 30mA Instant AC 6A/10kA Eaton EMBH Type B 10kA - 30mA	1 1 0			0.04 0.04		
4	L1	Frost protection heater	2x1Cx2.5mm ² + 1x1.5mm ² E Pvc70/S/Cu Length: 10m	RCBO B 1P 10mA Instant AC 16A/10kA Eaton EMBH Type B 10kA - 10mA	1 1 0			2.17 2.17		
5	L1	Spare	-		1 1 0			0 0		
6	L1	Spare	-		1 1 0			0 0		
7	L1	Spare	-		1 1 0			0 0		