

Minor Electrical Installation Works Certificate

Requirements for Electrical Installations
BS 7671:2018 (IET Wiring Regulations 18th Edition)

FT/MEIW 8170000001031



PART 1 Details of the Installation

Client	Mike Cowling	Installation	Mike Cowling
Address	Torquay Girls Grammar School, 30 Shipway Lane TORQUAY	Address	Torquay Girls Grammar School, 30 Shipway Lane TORQUAY
Postcode	TQ2 7DY	Postcode	TQ2 7DY
Work type	New <input type="checkbox"/> Addition <input type="checkbox"/> Alteration <input checked="" type="checkbox"/>	(Schedule of Inspections required if new)	
Description of installation work covered by this certificate Alteration to two (2) socket circuits in library - extension of ring to include new laptop desks			
This installation has been carried out in accordance with BS 7671:2018 (IET Wiring Regulations), amended to 2020 Records Available Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Details of departures from BS 7671:2018 (Regulations 120.3, 133.5). See page(s) N/A Date of original installation 2005			
Comments on the existing installation: Generally Good for continued service & use.			

PART 2 Supply Characteristics and Earthing Arrangements

Earthing Arrangements	TN-S <input checked="" type="checkbox"/> TN-C-S <input type="checkbox"/> TT <input type="checkbox"/> Other <input type="checkbox"/>	If Other please specify	
Number & Type of live conductors	AC <input checked="" type="checkbox"/> DC <input type="checkbox"/> No. of phases 3	No. of wires	4
Nature of Supply Parameters (Note: ⁽¹⁾ by enquiry, ⁽²⁾ by enquiry or by measurement)			
Nominal voltage, U ₀ / ⁽¹⁾	400/230 V	Nominal frequency, f ⁽¹⁾	50 Hz
Prospective fault current, I _{pf} ⁽²⁾	6.54 kA	External loop impedance, Z _e ⁽²⁾	0.10 Ω Or Z _{db} Source of Circuit 0.22
Supply Protective Device BS (EN)	LIM	Type	LIM
Rated Current	LIM	A	
No. of Additional Supplies	N/A		

PART 3 Particulars of Installation Referred to in this Certificate

Details of installation Earth Electrode (where applicable) Type (e.g. rod(s), tape etc)		Means of Earthing	
Location		Distributors facility	<input checked="" type="checkbox"/> Installation Earth Electrode <input type="checkbox"/>
Electrode resistance to earth		Maximum Demand (load)	800 Amps <input checked="" type="checkbox"/> KVA <input type="checkbox"/>
Main Protective Conductors	Material	csa	(✓) or Value
Earthing Conductor	Copper	95x2	<input checked="" type="checkbox"/> Ω (connection / continuity) (✓) or Value
Protective Bonding Conductor (to extraneous-conductive-parts)	Copper	50	<input checked="" type="checkbox"/>
Main Supply Conductor	Copper	185x2	
Main Switch	Location	Basement	
Fuse/device rating or setting	Switch	A	Voltage rating 400 V BS(EN) 5419 Isolator
If RCD main switch:	Rated residual operating current I _{Δn}	N/A	ms
	Rated time delay	N/A	ms
	Measured operating trip time	N/A	ms

Circuit Details

Circuit No.	Location of distribution board (DB)		Type of wiring	Ref. method	Circuit conductors csa				Overcurrent protective devices					BS 7671 Max. permitted value Zs Other
	DB designation	Circuit designation			No. of points served	Live (mm ²)	CPC (mm ²)	Maximum disconnection time (BS 7671)	BS EN Number	Type No.	Rating (A)	Breaking Capacity (kA)	RCD operating current I _{Δn} (mA)	
10L1	ROBERTS PLANT ROOM	DB 1-3	A	C	10	4	2.5	0.4	61009 RCD/RC BO	C	32	10	30	0.54
10L2	SOCKETS DESK NEAR		A	C	10	4	2.5	0.4	61009 RCD/RC BO	C	32	10	30	0.54

Wiring Types: A PVC/PVC, B PVC cables in metallic Conduit, C PVC cables in non-metallic Conduit, D PVC cables in metallic trunking, E PVC cables in non-metallic trunking, F PVC/SWA cables, G SWA/XPLE cables, H Mineral Insulated, MW Metal Work, FM Ferrous Metal O Other

Test Results for the Circuits(s) Altered or Extended (where relevant and practicable)

Circuit impedance (Ω)				Insulation resistance (record lower reading)			Polarity	Maximum measured Zs	RCD testing		Manual test button operation		Test instrument serial number(s)	
Ring final circuits only (measured end to end)	Figure 8 check	All circuits to be completed using R ₁ R ₂ or R ₂ , not both		Test Voltage	L/L, L/N	L/E, N/E			Above 30mA at I _{Δn}	30mA or below at 5 I _{Δn}	RCD	AFDD	Loop imp.	Cont.
r ₁	r _n	r ₂	(✓)	V	(MΩ)	(MΩ)	(✓)	(Ω)	ms	ms	(✓)	(✓)	18091173	18091173
0.22	0.22	0.16	✓	250	>299	>299	✓	0.27	36	18	✓	N/A	COMPUTERS, SERVERS ETC	
0.27	0.27	0.43	✓	250	>299	>299	✓	0.29	36	18	✓	N/A	COMPUTERS, SERVERS ETC	

PART 4 Declaration

RCD Risk assessment attached (Non Dwelling ONLY) ☐

I certify that the work covered by this certificate does not impair the safety of the existing installation and the work has been designed, constructed, and inspected in accordance with BS 7671:2018 (IET wiring regulations) amended to 2020 and to the best of my knowledge and belief, at the time of my inspection, complied with BS 7671 except if detailed overleaf.

Company	Andrews' Building Contractors Ltd	Signature	
Inspector Name	Simon Hammond	Position	Electrician
Address	Casa Blanca, Lower Penns Road, Paignton, , TQ3 1JE	Date	04/08/2022
Reviewed By	Simon Hammond	Scheme No.	
Reviewed By Date	10/08/2022	Branch No.	001
		Reviewed By	

NEXT INSPECTION: I recommend that this installation is further inspected and tested after an interval of not more than 5 years or on change of occupancy.

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Information for recipients:

This safety Certificate for Minor Works has been issued to confirm that the electrical installation work to which it relates has been designed, constructed, inspected and tested in accordance with BS 7671 (the IET Wiring Regulations).

You should have received an original Certificate and the contractor should have retained a duplicate.

If you were the person ordering this work, but not the owner of the installation, you should pass this Certificate, or a copy of it, immediately to the owner.
The original Certificate is to be retained in a safe place and be shown to any person inspecting or undertaking work on the electrical installation in the future.

If you later vacate the property, this Certificate will demonstrate to the new owner that the minor electrical installation work carried out complied with the requirements of BS 7671 at the time the Certificate was issued.

For safety reasons the electrical installation will need to be re-inspected at appropriate intervals by a skilled person or persons, competent in such work.

If this work is domestic and notifiable you should also receive a 'Compliance with Building Regulations Declaration' within 30 days of the electrical installation being completed.

(For additions or alterations) cables concealed within trunking and conduits, or cables or conduits concealed under floors, in roof spaces and generally within the fabric of the building or underground may not have been inspected unless specifically agreed between the client and the inspector prior to the inspection.