



Unique Certificate No. AEIW-000017-MEW

# MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

This safety certificate is an important and valuable document which should be retained for future reference

Issued in accordance with BS 7671 - Requirements for Electrical Installations

**To be used only for minor electrical work that does not include the provision of a new circuit**

## DESCRIPTION OF THE MINOR WORKS

|                                                                                                                                                                                                                                     |             |               |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------|--|
| Client:                                                                                                                                                                                                                             | Tony Murphy | Contract Ref: |  |
| Installation Address:                                                                                                                                                                                                               |             |               |  |
| Church on the Roundabout, Church on the Roundabout, Coppins Bridge, Newport, Isle of Wight, PO30 2BX, England                                                                                                                       |             |               |  |
| Description of minor works:                                                                                                                                                                                                         |             |               |  |
| Cover DB3 with RCD protection by swapping into DB1, replacing one of the old cooker circuits and downgrading breaker. Replace downlights, replace lights in loft, connect cooker, replace MET with new and correcting terminations. |             |               |  |
| Date minor works completed:                                                                                                                                                                                                         |             | 17 Apr 2024   |  |
| Details of departures, if any, from BS 7671: 2018 (Amendment 2: 2022) for the circuit altered or extended (Regulation 120.3, 133.1.3, and 133.5)                                                                                    |             |               |  |
| N/a                                                                                                                                                                                                                                 |             |               |  |
| Risk Assessment of the permitted exceptions (Regulation 411.3.3)                                                                                                                                                                    |             |               |  |
| N/a                                                                                                                                                                                                                                 |             |               |  |
| Comments on (including any defects observed in) the existing installation (Regulation 644.1.2)                                                                                                                                      |             |               |  |
| Overall RCD consumer unit.                                                                                                                                                                                                          |             |               |  |

## PRESENCE AND ADEQUACY OF INSTALLATION EARTHING AND BONDING (Regulation 132.16)

|                                                  |                    |                                                                         |      |     |     |     |                  |     |       |     |
|--------------------------------------------------|--------------------|-------------------------------------------------------------------------|------|-----|-----|-----|------------------|-----|-------|-----|
| System type and earthing arrangements:           | TN-S               | Earth fault loop impedance at distribution board, $Z_{db}$ ( $\Omega$ ) | 0.27 |     |     |     |                  |     |       |     |
| Presence of adequate main protective conductors: | Earthing conductor |                                                                         | ✓    |     |     |     |                  |     |       |     |
| Main protective bonding conductors to:           | Water              | N/A                                                                     | Gas  | N/A | Oil | N/A | Structural steel | N/A | Other | N/A |

## CIRCUIT DETAILS

| DB Reference No.: |             | DB1               |      |            | DB location:      |                  | Hallway    |           |         | DB type: |            | 1Ø Distribution Board [Single Pole & Neutral] |         |            |         |      |
|-------------------|-------------|-------------------|------|------------|-------------------|------------------|------------|-----------|---------|----------|------------|-----------------------------------------------|---------|------------|---------|------|
| Circuit           |             | Protective device |      |            | Conductor Details |                  |            |           | RCD     |          |            |                                               | AFDD    |            | SPD     |      |
| No.               | Description | BS (EN)           | Type | Rating (A) | Type of wiring    | Reference Method | Live (mm²) | CPC (mm²) | BS (EN) | Type     | Rating (A) | I <sub>Δn</sub> (mA)                          | BS (EN) | Rating (A) | BS (EN) | Type |
| 6                 | DB3         | 60898             | B    | 16         | XLPE/SWA          | D                | 2.5        | 2.5       | 4293    | AC       | 100        | 30                                            | n/a     | n/a        | n/a     | N/A  |

## TEST RESULTS

| Circuit |             | Ring final circuit continuity (Ω) |                          |          | Continuity (Ω) |    | Insulation Resistance |          |          |          | Zs               | RCD Test Results |                             | AFDD        | SPD                     |
|---------|-------------|-----------------------------------|--------------------------|----------|----------------|----|-----------------------|----------|----------|----------|------------------|------------------|-----------------------------|-------------|-------------------------|
| No.     | Description | r1 (phase)                        | r <sub>n</sub> (neutral) | r2 (cpc) | R1 + R2        | R2 | Test Voltage (V)      | L-L (MΩ) | L-E (MΩ) | Polarity | Max Measured (Ω) | Test Button      | Op. time at I <sub>Δn</sub> | Test Button | Functionality Confirmed |
| 6       | DB3         | n/a                               | n/a                      | n/a      | 21.7           |    | 250                   | >2       | >2       | ✓        | 21.9             | Pass             | 17.4                        | N/A         | N/A                     |

Details of Test Instruments Used

|             |                |                             |                |                             |                |
|-------------|----------------|-----------------------------|----------------|-----------------------------|----------------|
| Continuity: | Megger MFT1741 | Insulation resistance:      | Megger MFT1741 | Earth fault loop impedance: | Megger MFT1741 |
| RCD:        | Megger MFT1741 | Earth electrode resistance: | Megger MFT1741 |                             |                |

## DECLARATION

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, inspected and tested in accordance with BS 7671: 2018 (Amendment 2: 2022) and that to the best of my knowledge and belief, at the time of my inspection, complied with BS 7671, except as detailed in Part 1 above.

|                  |             |                     |                                                                |             |  |
|------------------|-------------|---------------------|----------------------------------------------------------------|-------------|--|
| Name:            | Glen Amos   | For & on behalf of: | Amos Electrical IW                                             |             |  |
| Position:        | Electrician |                     | 1 Clarence Road,<br>Newport<br>Isle of Wight<br>PO30 1ER<br>UK |             |  |
| Date:            | 17 Apr 2024 | Address:            | ae.iw@outlook.com<br>07808 126922                              |             |  |
| Signature:       |             |                     |                                                                |             |  |
| Accredited Body: | NAPIT       | Enrolment No.:      | 72742                                                          | Branch No.: |  |

# Minor Electrical Installation Works Certificate

## Guidance for Recipients

This Certificate 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.

You should have received an 'original' Certificate and the person that issued the Certificate should have retained a duplicate. If you were the person ordering the work, but not the owner of the installation, you should pass this Certificate, or a copy of it, to the owner. A separate Certificate should have been received for each existing circuit on which minor works have been carried out. This Certificate is not appropriate if you requested the person that issued the Certificate to undertake more extensive installation work, for which you should have received an Electrical Installation Certificate.

The Certificate should be retained in a safe place and be shown to any person inspecting or undertaking further 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 inspected at appropriate intervals by a skilled person or persons, competent in such work.

Where the installation includes a residual current device (RCD) it should be tested six-monthly by pressing the button marked 'T' or 'Test'. The device should switch off the supply and should then be switched on to restore the supply. If the device does not switch off the supply when the button is pressed, seek expert advice. For safety reasons it is important that this instruction is followed.

Where the installation includes an arc fault detection device (AFDD) having a manual test facility it should be tested six-monthly by pressing the test button. Where an AFDD has both a test button and automatic test function, manufacturer's instructions shall be followed with respect to test button operation.

Where the installation includes a surge protection device (SPD) the status indicator should be checked to confirm it is in operational condition in accordance with manufacturer's information. If the indication shows that the device is not operational, seek expert advice. For safety reasons it is important that this instruction is followed.

Where the installation includes alternative or additional sources of supply, warning notices should be found at the origin or meter position or, if remote from the origin, at the consumer unit or distribution board and at all points of isolation of all sources of supply.