



Report



Report No.	3552857	This Report consists of 5 pages (Annexed to Type-examination certificate UKCA 758988 and UKCA 758990)
Client	Atwell International Ltd. Ball Mill Top Business Park Hallow Worcester WR2 6PD United Kingdom	Manufacturing Location: Coomber Electronics Ltd. Unit 13 Ball Mill Top Business Park Hallow Worcester WR2 6PD
Authorization	Application form signed Mr Russell Walker dated 7 September 2021	
Subject	Technical Documentation- Safety Circuit and unintended car movement protection (UCMP) model: UMD-SRB02 Uncontrolled Movement Detection Technical Documentation Reference No. Uncontrolled movement Detection and electronic brake release -Technical Construction File - Version 1.0 April 2022	
Specification	The Lifts Regulations 2016 - UK Statutory Instrument 2016 Number 1093 (as amended by Statutory Instrument 2016 Number 1186) as amended by The Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations SI 2020 No. 696 and SI 2020 No. 852.	
Results	See text	
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Issue Date	4 November 2022	
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1.0 INTRODUCTION

1.1 This report details the Type-Examination of the Atwell International Ltd., Safety Circuit and unintended car movement protection (UCMP) model UMD - SRB02 Uncontrolled Movement Detection.

The technical documentation for the Safety Circuit and unintended car movement protection (UCMP) model: UMD-SRB02 Uncontrolled Movement Detection under documentation ref. No. Uncontrolled movement Detection and electronic brake release -Technical Construction File - Version 1.0 April 2022 was initially received electronically 26 June 2022.

1.2 Type-Examination

Type-Examination is the procedure whereby an approved body ascertains and certifies that a representative specimen of a safety component will permit the lift to which it is correctly fitted to satisfy the relevant requirements of the Lifts Regulations 2016.

2 SUMMARY

The Atwell International Ltd. Safety Circuit and unintended car movement protection (UCMP) model UMD - SRB02 Uncontrolled Movement Detection and the associated technical documentation have been evaluated against the procedures of Schedule 11:A (3) -Module B:A Type-Examination of The Lifts Regulations 2016.

Against these procedures it has been found that the manufacturer complied with the requirements of Schedule 11:A (3) of the Lifts Regulations 2016 .

It is mandatory that the manufacturer informs BSI of any alteration, even of a minor nature, which they have or plan to make to the approved component, including new extensions or variants not specified in the original technical documentation.

Before placing a UKCA marked component on the market the manufacturer must additionally comply with either Schedule 13 – Module E- Conformity to Type based on Product Quality Assurance or Schedule 16 – Module C2- Conformity to type with random checking.

Atwell International Ltd. Safety Circuit and unintended car movement protection (UCMP) model UMD - SRB02 Uncontrolled Movement Detection have chosen the Schedule 16 – Module C2- Conformity to type with random checking route for this application. Atwell International Ltd. have ongoing surveillance covering other safety components and therefore compliance against route has been demonstrated, this component will be incorporated during the next scheduled annual inspection.

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3 RESULTS

3.1 Type-Examination

3.1.1 Application

The application for Type-Examination must be lodged by the manufacturer of the safety components, or their authorised representative established in the UK, with an approved body of their choice.

The application must include:

- 3.1.1.1 The name and address of the manufacturer of the safety component and of their authorised representative, if the application is made by the latter, and the place of manufacture of the safety components.

Assessment:- Complies

The name and address of the design holder is given on the front cover of this report.

- 3.1.1.2 A written declaration that the same application has not been lodged with any other notified body.

Assessment:- Complies

The declaration is inclusive in the application documentation which is signed by Mr Russell Walker dated 7 September 2021.

- 3.1.1.3 A technical documentation

Assessment:- Complies

Technical documentation included, which meets the requirements of the Lifts Regulations 2016 under Schedule 11:A (3) of the Lifts Regulations 2016 (See Section 4 of this Report).

- 3.1.1.4 A representative specimen of the safety component or details of the place where it can be examined. The approved body may make reasoned requests for further specimens.

Assessment:- Complies

A representative specimen was submitted for type testing to BS EN 81-20:2014 - Clause 5.11.2.3 Safety Circuit, BS EN 81-50:2020 - Clause 5.6 Type examination of Safety Circuit containing electronic components, BS EN 81-20:2020- Clause 5.6.7 Protection against unintended car movement and BS EN 81-50:2020- Clause 5.8 Type examination of unintended car movement protection. The results of which are contained in the Element Materials Technology Warwick Ltd., Report No. TRA-055576-21-CR-01A dated 5 December 2021 and BSI Test Report Numbers 3552855 and 3552900 dated 4 November 2022.

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4.0 Technical Documentation Assessment

Insofar as is necessary for the purpose of assessing conformity, the technical documentation should include the following:

A general description of the safety component, including its area of use (in particular possible limits on speed, load and power), and conditions (in particular explosive environments and exposure to the elements).

Assessment:- Complies

The technical documentation Section 2 contains a general description of the Atwell International Ltd. Safety Circuit and unintended car movement protection (UCMP) model UMD - SRB02 Uncontrolled Movement Detection.

4.1 Design and manufacturing drawings or diagrams.

Assessment:- Complies

Technical documentation Section 3 contains design and manufacturing drawings, a list of manufacturing drawings and copies of the significant safety component parts within the Safety Circuit and unintended car movement protection (UCMP) model UMD - SRB02 Uncontrolled Movement Detection.

4.2 Essential requirement(s) taken into consideration and the means adopted to satisfy it (them) (e.g. a harmonised standard).

Assessment:- Complies

The technical documentation Section 4 contains details of the essential requirements taken into consideration and the means adopted to satisfy them.

4.3 Results of any tests or calculations performed or subcontracted by the manufacturer.

Assessment:- Complies

The technical documentation Section 5 contains copies of the relevant BSI Reports 3552855 and 3552900 containing details of type testing to BS EN 81-20:2020 and BS EN 81-50:2020. Also Section 5 of the technical documentation contains Atwell International Ltd. UMD EN 81-20 and 50 Failure Analysis, UMD Pollution Degree 20220217, UMD SRB02 RISK HAZARD Assessment, Element Materials Technology Warwick Ltd., Report No. TRA-055576-21-CR-01A dated 5 December 2021 and BSI Test Report Numbers 3552855 and 3552900 dated 4 November 2022 for the Safety Circuit and unintended car movement protection (UCMP) model UMD - SRB02 Uncontrolled Movement Detection.

4.4 A copy of the assembly instructions for the safety components.

Assessment:- Complies

The technical documentation Section 6 contains a copy of the Safety Circuit and unintended car movement protection (UCMP) model UMD - SRB02 Uncontrolled Movement Detection UMDSRB02 Installation, operation & Maintenance manual.

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- 4.5 Steps taken at the manufacturing stage to ensure that series-produced safety components conform to the safety component examined.

Assessment:- Complies

The technical documentation Section 7 contains a copy of the Atwell UMD Test & Assembly Checklist also the section contains a copy of Atwell International Ltd. ISO 9001:2015 Certificate.

5.0 Declaration of Conformity

The manufacturer must draw up a Declaration of Conformity.

Assessment:- Complies

The technical documentation Section 8 contains a draft copy of the Atwell International Ltd. UK Declaration of Conformity.

6.0 UKCA Conformity Marking

The manufacturer must affix the UKCA marking to each specific safety component. The manufacturer must also affix the approved body's 'identification ' number during the manufacturing process

Assessment:- Complies

The technical documentation Section 9 contained a copy of the UKCA Mark with approved body number 0086 under drawing reference UMD-SRB02 Label. The drawing also stated postal address of Atwell International Ltd.

END OF REPORT