

Lifts Regulations Safety Components Type Examination (Module B)

This is to certify that:

Atwell Limited
Ball Mill Top Business Park
Hallow
WR2 6PD
United Kingdom

Holds Certificate Number:

UKCA 758990

In respect of:

Unintended car movement protection (UCMP) - model: UMD-SRB02 - Subsystems Detection and Activation only.

On the basis of our examination of products under the requirements of Schedule 11:A (Module B:A) of the Lifts Regulations 2016 as amended by The Product Safety and Metrology etc. (Amendment etc.)(EU Exit) Regulations 2020 (SI 2020/676 and SI2020/852) Safety Components for Lifts as recorded in the BSI Report they were found to comply with the Essential Requirements as detailed in Schedule 1 of the Regulations. Any modification to the design of these products will invalidate this UKCA certificate and the Approved Body, number 0086 must be informed without delay.

For and on behalf of BSI, an Approved
Body for the above Regulation
(Approved Body Number 0086):



Shahm Barhom, Group Product Certification Director

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This UKCA Type Examination certificate is only valid when the protection against unintended car movement (UCMP) – model UMD - SRB02 - Subsystems - Detection and activation only is installed to operate under the following conditions:

Model	UMD - SRB02
Safety Circuit Designation (Type) ⁽¹⁾ :	UMD - SRB02
Maximum rated speed ⁽²⁾ :	Designed for maximum 7.5m/s
Environmental working conditions:	-5°C up to 50°C
Relative Humidity:	From 20% up to 70% RH (relative humidity)
Operating Voltage on PCB:	PCB powered from an external DC source 12V nominal, range from 10V to 15V, full load current is a maximum of 2Amps at 10V
UCMP controller circuit drawings:	UMD-SRB02 PCB 55
Response time of detector (ms):	Up to 1.20
Response time of control circuit (ms):	Up to 1.0
Test Speeds (m/s) ⁽³⁾ :	0.15, 3.6 and 6.0
Designated Standard(s):	BS EN 81-20:2020 - Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods Part 20: Passenger and goods passenger lifts. BS EN 81-50:2020 - Safety rules for the construction and installation of lifts - Examinations and tests Part 50: Design rules, calculations, examinations and tests of lift components.
Manufacturing site(s):	Coomber Electronics Ltd. Unit 13 Ball Mill Top Business Park Hallow Worcester WR2 6PD
NOTE (1): The UCMP system covers detection and activation only.	
NOTE (2): The maximum speed attainable would normally be in the magnitude of 2m/s. This is based on the speed attained at start of deceleration e.g. being the result of a "natural" acceleration of 1.5 m/s ² through the response times of the Unintended car movement protection device, control circuit and stopping elements.	
NOTE (3) Test speed(s): a speed stated by the manufacturer, used by the test laboratory to establish a distance moved by the lift (verification distance) so that the unintended movement system is verified for correct operation during final inspection at site. This could be the inspection speed or any other speed determined by the manufacturer and agreed by the laboratory.	
Type testing commenced on the 7 January 2022 undertaken by BSI, UK as detailed in technical documentation review under BSI Report 3552857 dated 4 November 2022.	

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To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).

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Conditions of validity
It must be ensured that when the lift design is configured is an error/ fault is detected in the detection subsystem, the lift system is brought to a halt and the next normal operation is prevented. Upon detection of the fault, the next normal start operation of the lift was prevented. The activation system requires the intervention of a competent person to restore normal operation.
Maintenance of the UCMP subsystem should be conducted as instructed by the manufacturer to ensure compliance with the designated standard.
Inspection criteria should be followed as instructed by the manufacturer and as per procedure to ensure that the correct verification of movement if determined for the system mass and/ or lift configuration.

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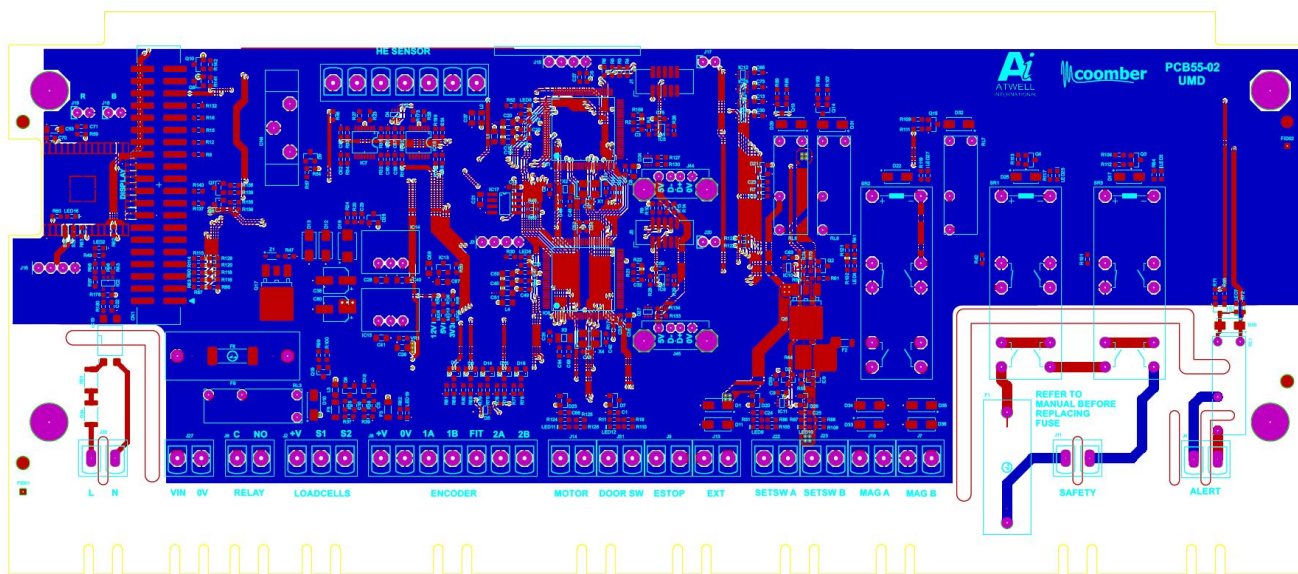
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APPENDIX (1)- Safety circuits containing electronic components model UMD - SRB02



Note: Any modifications to the components require prior approval is required from BSI.
Illustration/table of PCB shown are examples only and actual PCB may differ in appearances only.

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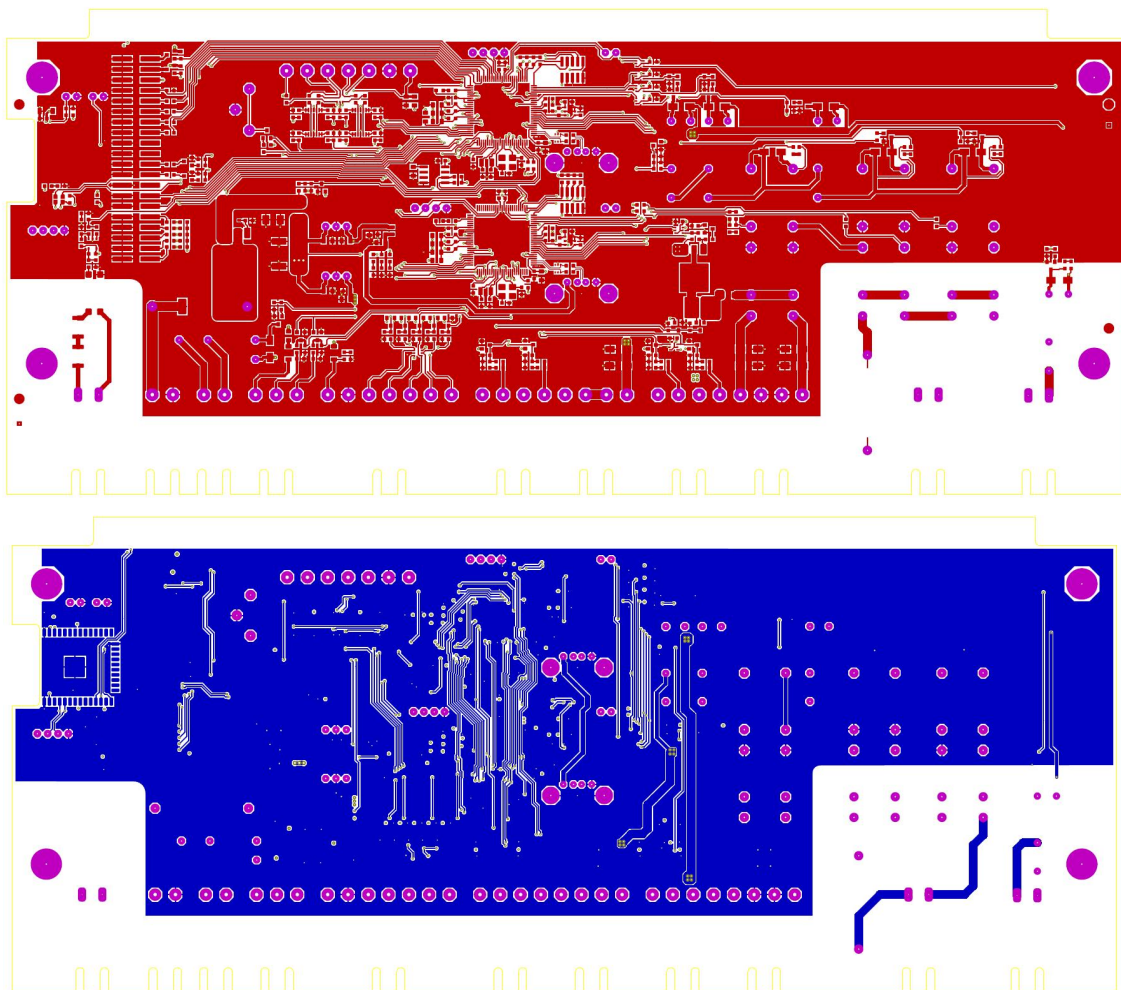
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APPENDIX (1)- Safety circuits containing electronic components model UMD - SRB02 (Layers)



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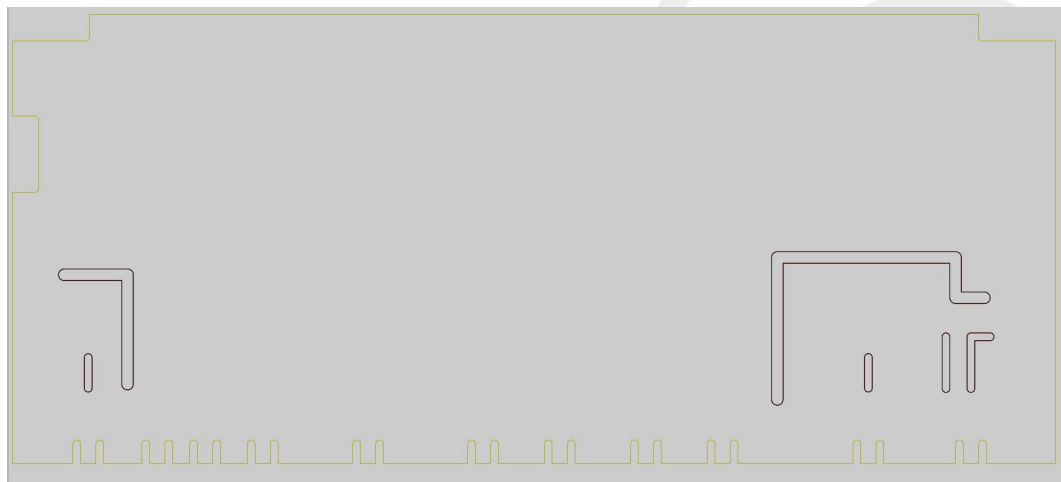
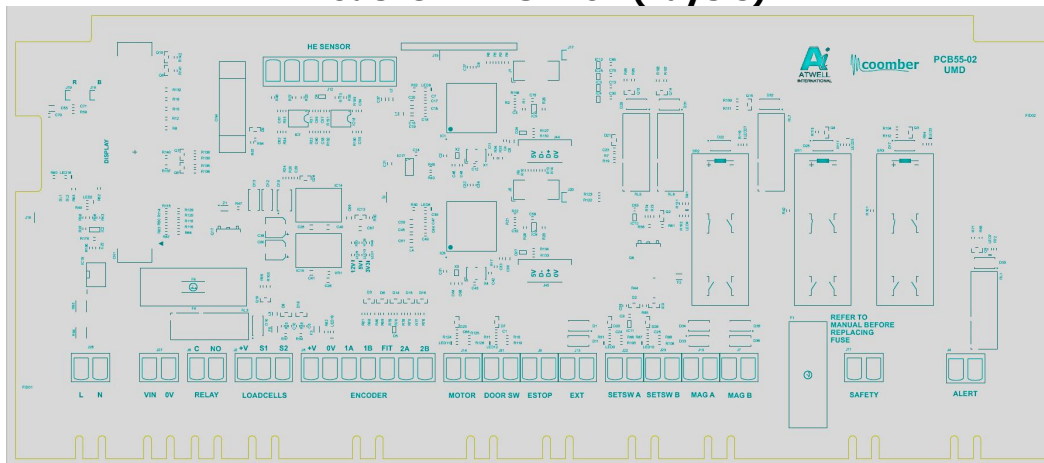
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Certificate Administration Details		
Technical documentation reference:		L-297 - Uncontrolled movement Detection and electronic brake release -Technical Construction File
Certificate Amendment Record		
Issue Date	Comments of amendment	BSI Project Number
25 November 2022	As detailed in BSI Report 3552857 dated 4 November 2022. Initial application.	0086:22:3552903
Note: The Certificate holder is responsible for ensuring that the issuing body is advised of changes to any aspect of the overall processes utilised in the manufacture of the product, failure to do so could invalidate the Certificate in respect of product manufactured following the introduction of such changes.		
The safety component must be accompanied by a UKCA Declaration of Conformity and marked with UKCA Mark followed by the Approved Body number who undertake the surveillance visit.		

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