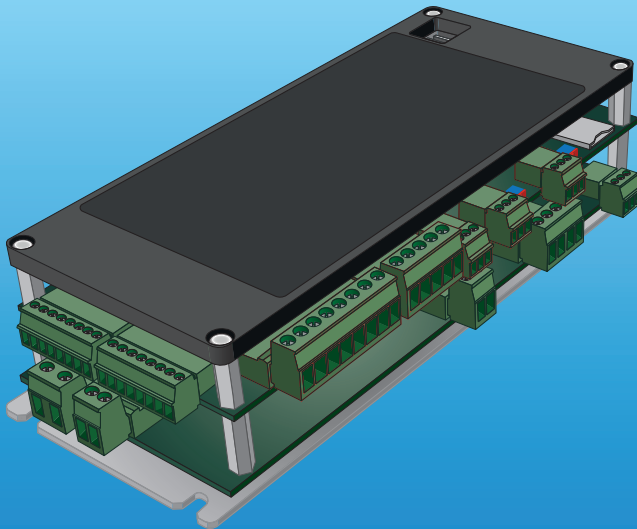


Thor E2



hardware manual

Technical data

Power Consumption:	Idle: 2,5 W; Max: 4,5 W
Interface:	Ethernet, Micro SD, 2 x USB Host, 1 x RS485 (DCP)
Battery:	CR2032, Lithium 3V
Display interface:	5 Inch LCD, 24 bit colour, 960 x 480 resolution, Capacitive Multi- touch glass
Inputs:	24 V: 24 x 24 V inputs (I1, I2, I4). Thereof 2 x 24 V inputs with constant 30 mA current for contactor/brake monitoring. 230 V AC: 2 x 230 V AC for Car light and Powersupply
Outputs:	24 V: 16 x high side (O1, O2) 350 mA short circuit protected general purpose 230 V AC: 5 x 5 A, 230 V, relay output
Speaker output:	2 x 2 W
Safety Circuit Input:	6 x 230 V AC inputs

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Safety information

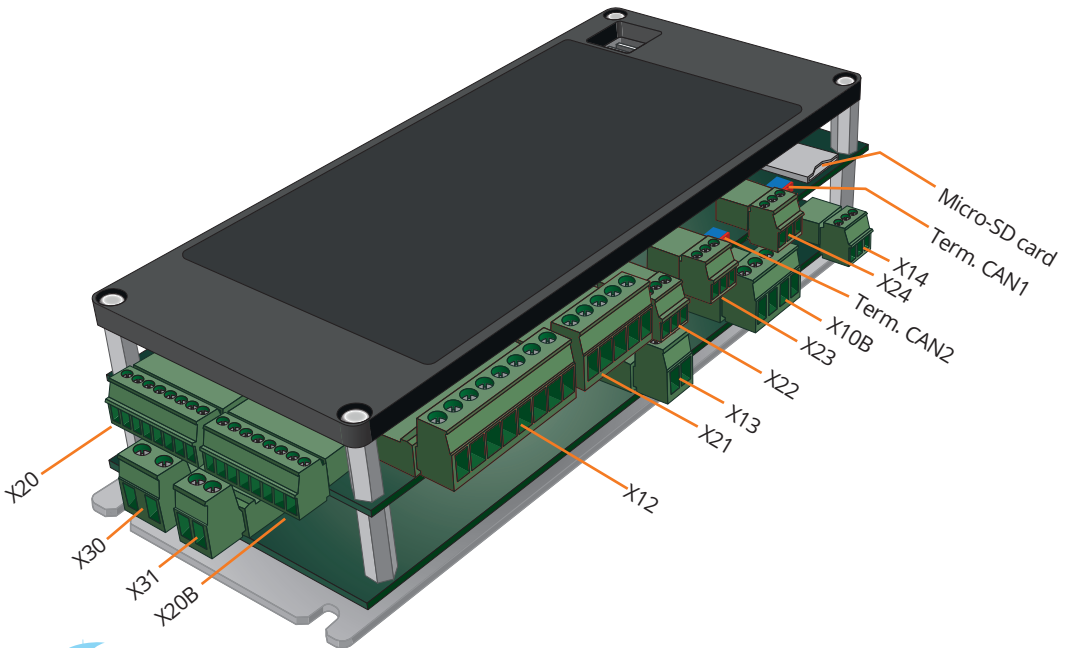
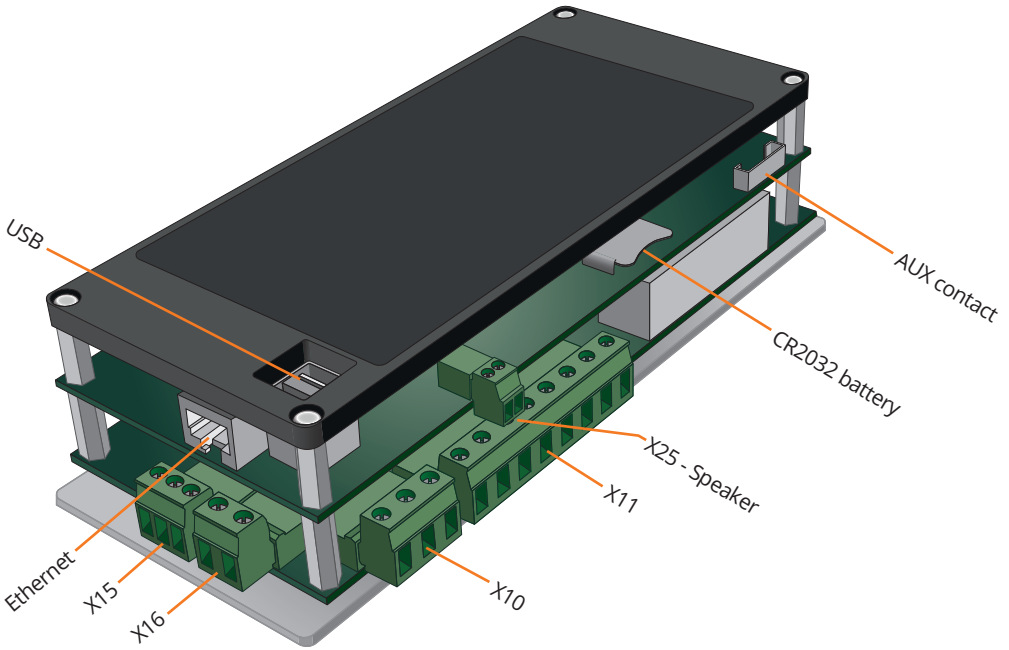
Liability

Thor Engineering GmbH or any of its collaboration partners is not liable with respect to the buyer of this product or to any third parties for damage, loss, costs or work incurred as a result of accidents, misuse of the product, incorrect installation or illegal changes, repairs or additions. Claims under warranty are likewise excluded in such cases. Thor Engineering GmbH accepts no liability arising from printing errors, mistakes or changes.

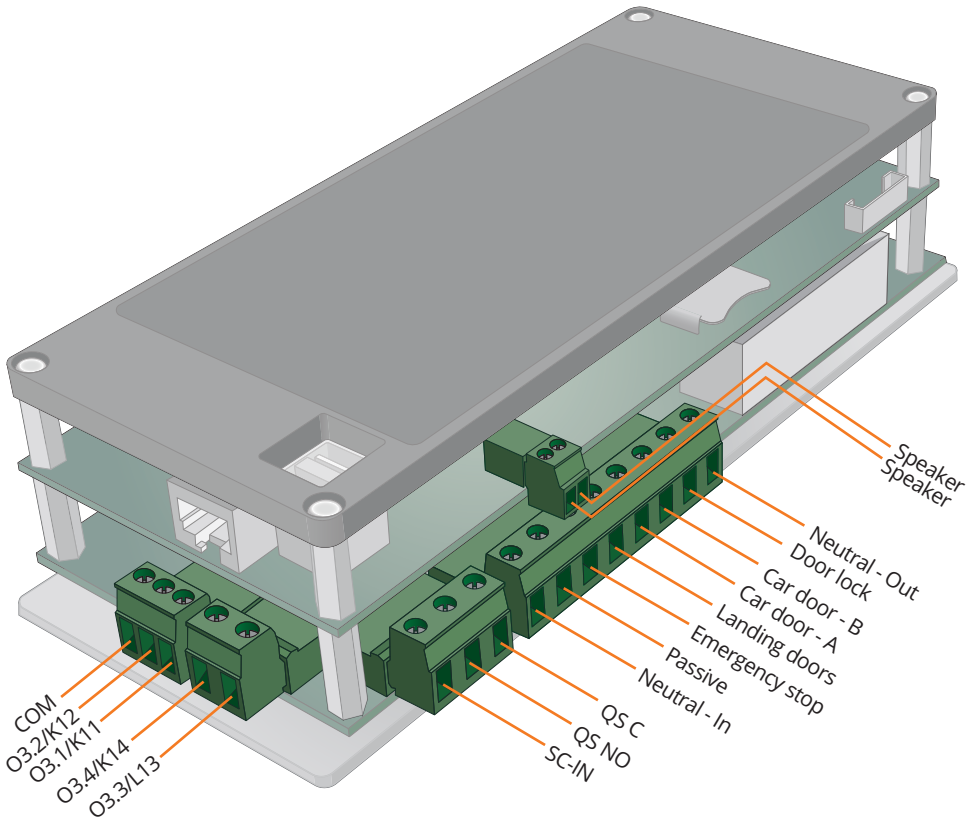
Safety Precautions!

- » Only trained professionals, that are authorised to work on the equipment, should install, configure and use this product.
- » This product is intended for the elevator industry. It has been designed and manufactured to be used for its specified purpose only. It must not be used for any other purpose without Thor Engineering GmbH's consent.
- » The product cannot be modified or altered in any way and should only be installed and configured strictly following the procedures described in this manual.
- » All applicable health and safety requirements and equipment standards must be considered and strictly adhered to, when installing and configuring this product.
- » After installing and configuring this product, the operation of the equipment should be fully tested to ensure correct operation, before the equipment is returned to normal use.

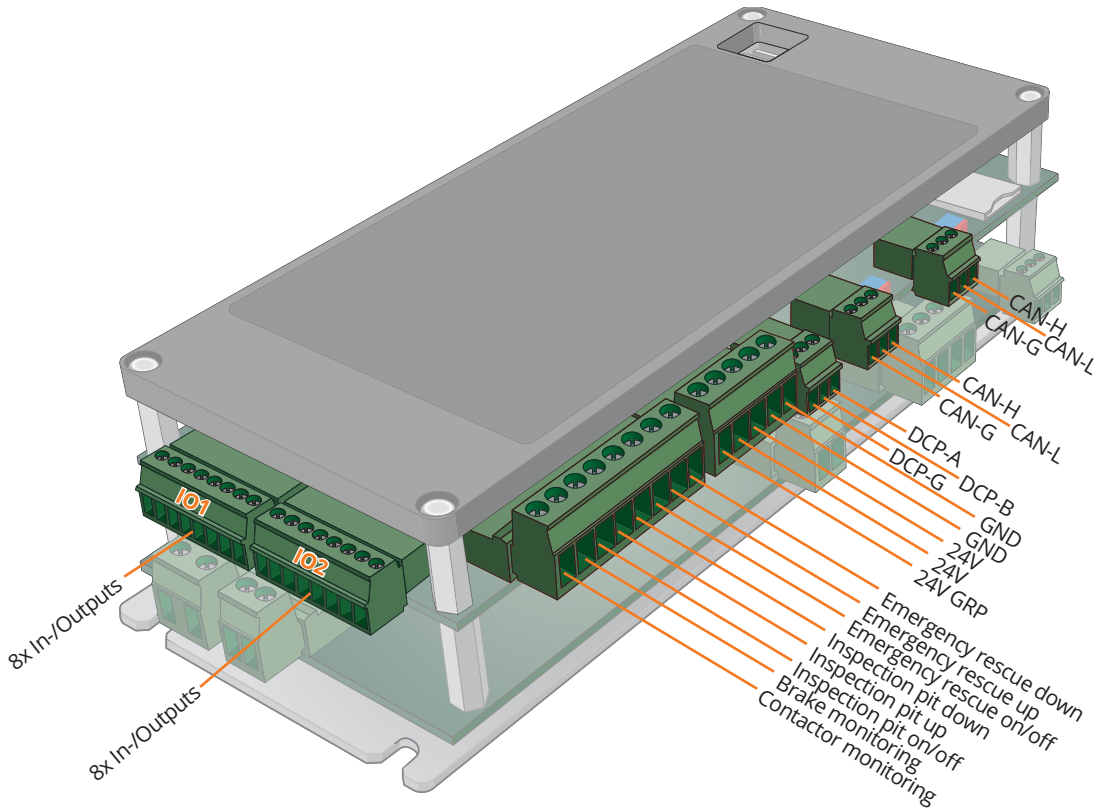
Overview



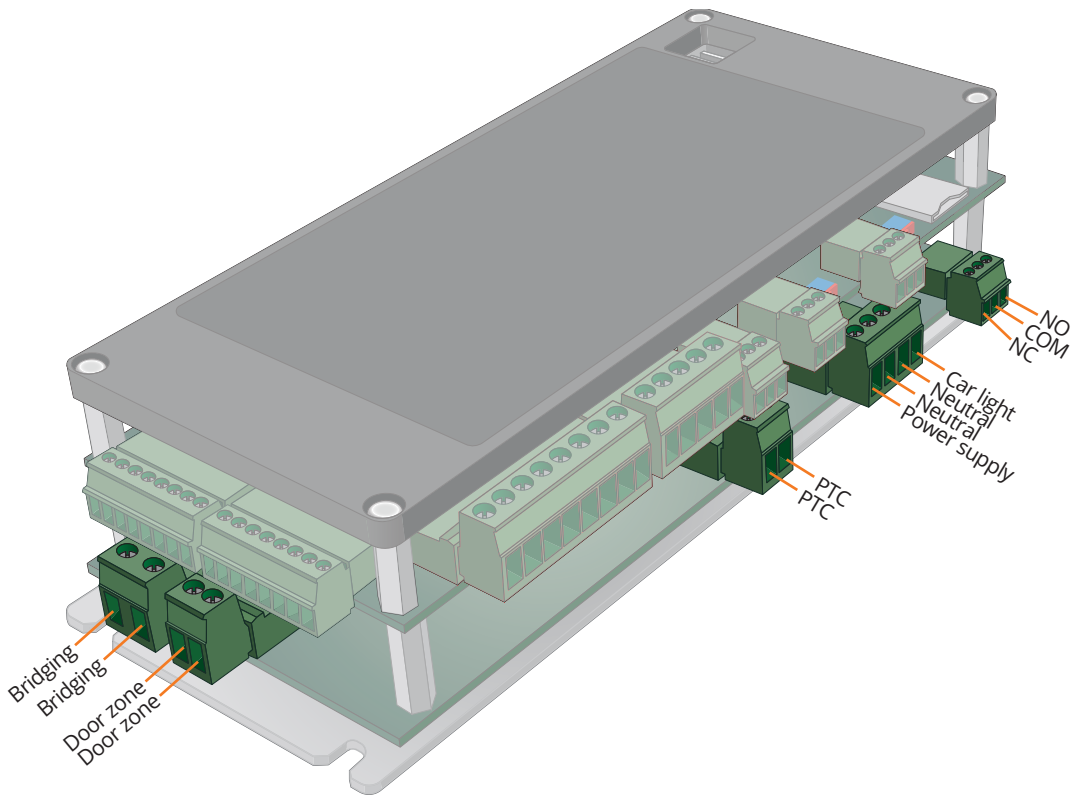
Connections



Connections top board

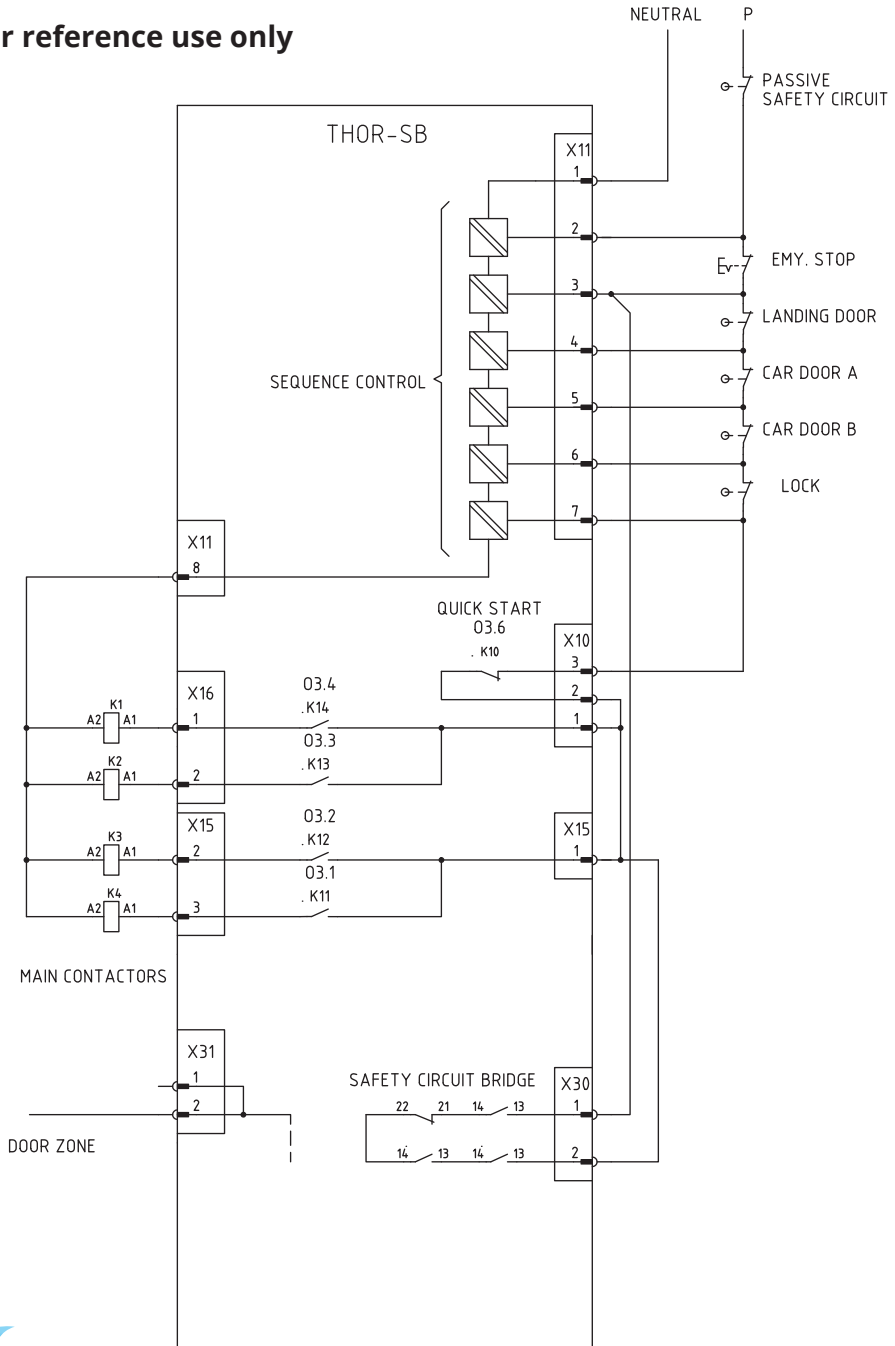


Connections bottom board



Connections top board

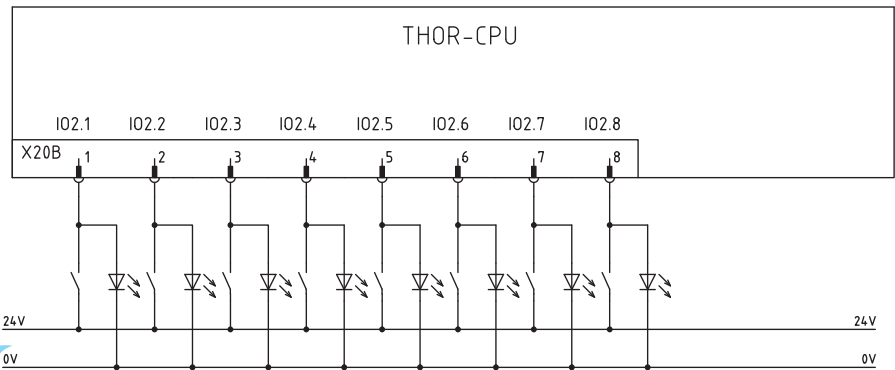
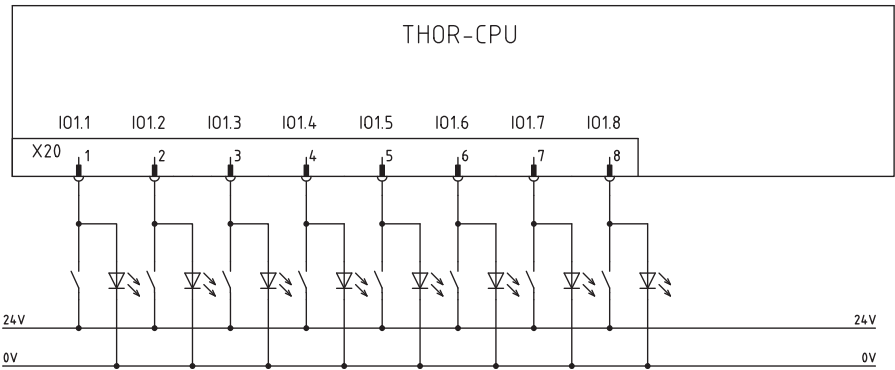
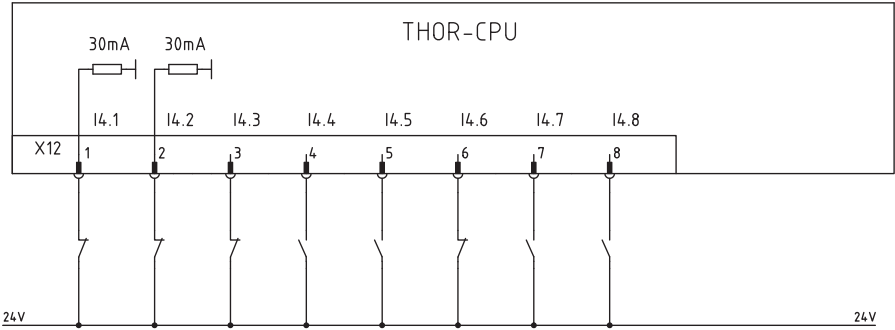
For reference use only



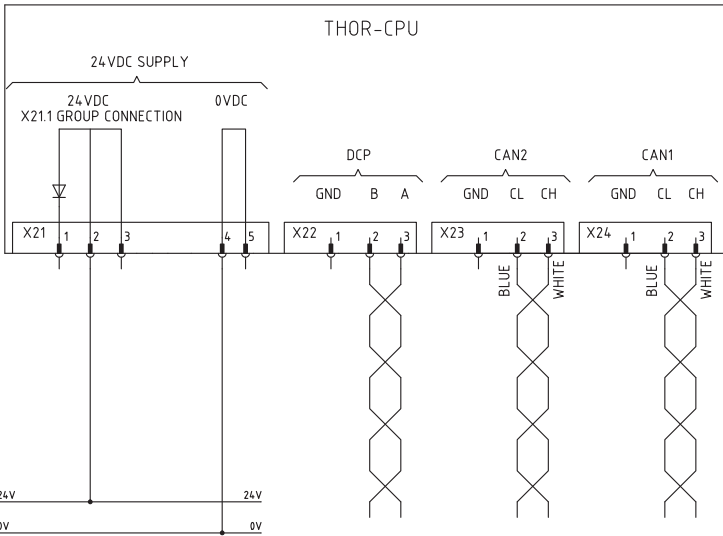
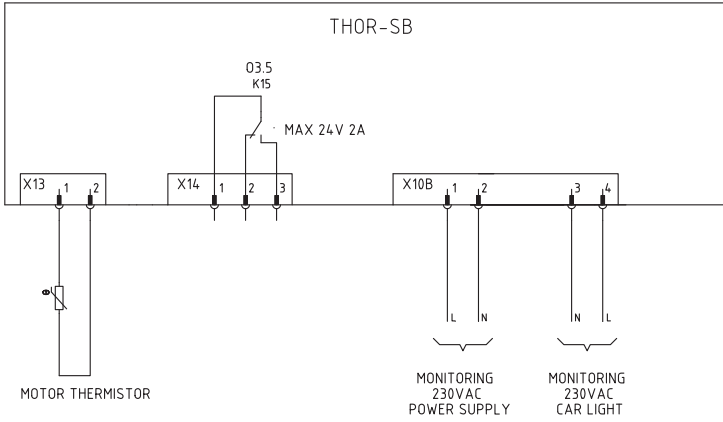
For reference use only

RECOMMENDED USE

- | | | |
|---------------------------|---------------------|---------------|
| I4.1 CONTACTOR MONITORING | I4.4 INSP. PIT UP | I4.7 ERO UP |
| I4.2 BRAKE MONITORING | I4.5 INSP. PIT DOWN | I4.8 ERO DOWN |
| I4.3 INSP. PIT ON/OFF | I4.6 ERO ON/OFF | |



For reference use only





liftinstituut

SINCE 1933



EU-TYPE EXAMINATION CERTIFICATE

Issued by Liftinstituut B.V.
identification number Notified Body 0400,
commissioned by Decree no. 2022-0000107366

Certificate no. : NL23-400-1002-700-01 Revision no.: -

Description of the product : Lift control unit for electric or hydraulic lifts with monitoring circuit for safety chain, door bridging circuit, detection of uncontrolled movement of the car (UCMP) and brake monitoring (ACOP/UCMP)

Trademark : Solidlift Holding AB

Type no. : THOR E

Name and address of the manufacturer : Hissелеktronik Sweden AB
Antennvägen 10
SE135 48, Tyresö, Sweden

Name and address of the certificate holder : Solidlift Holding AB
Antennvägen 10
SE135 48, Tyresö, Sweden

Certificate issued on the following requirements : Lifts Directive 2014/33/EU

Certificate based on the following standard : EN 81-20:2020, clause 5.6.6.2, 5.6.7.3, 5.6.6.7, 5.6.7.9, 5.11.1, 5.11.2.1.2 and 5.11.2.3
EN 81-50:2020, clause 5.8 and 5.15

Test laboratory : None

Date and number of the laboratory report : None

Date of EU-type examination : June – February 2023

Additional document with this certificate : Report belonging to the EU-type examination certificate no.: NL23-400-1002-700-01

Additional remarks : Key parameters for detecting UCM:
Detection distance: installed door-zone (variable)
Max. response time THOR E : 10ms
Speed and distance travelled : to be calculated

Conclusion : The safety component meets the requirements of the Lifts Directive 2014/33/EU considering any additional remarks mentioned above

Certification decision by

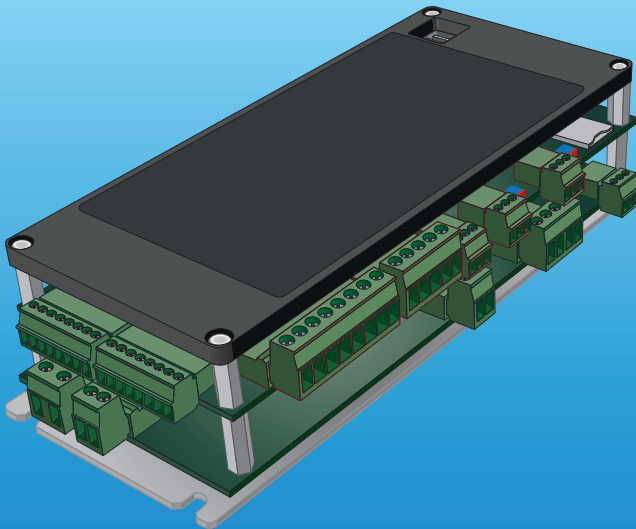
P.J. Schaareman
Product Manager C&S

Amsterdam

Date : 09-02-2023

Valid until : 09-02-2028

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Germany

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