

# Lift Door Unlocking & Cabin Levelling Safety Module NA1/2-D LIFT

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- Certified according to the Lift Directive and EN 81-1, /-2, EN 12015 and EN 12016
- Redundant circuit
- Force guided relay contacts
- Dual channel input
- 2 NO safety outputs
- Failure diagnosis by LEDs
- Feedback circuit for external contactors monitoring
- Possibility to connect mechanical or magnetic switches for lift cabin position monitoring
- Automatic or manual start
- Approval:



## Product Description

Lift door unlocking and lift cabin levelling safety module, designed according to Lift Directive 95/16/CE and to safety circuits requirements of EN 81-1, /-2, EN 12015 and

EN 12016 Standards.

The module is provided with safety outputs with force guided relay contacts, and feedback circuit. Suited for applications of risk category 4.

## Ordering Key

## NA1/2-D LIFT

Case \_\_\_\_\_  
Application \_\_\_\_\_  
Controlled Devices \_\_\_\_\_  
Safety Outputs \_\_\_\_\_  
Safety Category \_\_\_\_\_  
Specific Version \_\_\_\_\_

## Electrical Specifications

Power supply	24 Vac -15/+10% 50-60Hz / 24 Vdc -15/+10%
Power consumption	< 5 VA / 5 W
Input current/voltage	70 mA @ 24 Vdc, without load
Safety outputs	2 NO
Auxiliary outputs	--

Safety output switching voltage /current /capability	AC 230/240 Vac/8A/1380VA DC 300 V/6A/1380 VA
Safety output contact fuse protection	5 A fast or 4 A delayed
Insulation voltage	2.5 KV for signal parts; 4.0 KV for safety output parts: Pollution degree 2 Overvoltage category III

## Time Specifications

Delay on energisation	≤ 150 ms
Delay on de-energisation	≤ 25 ms
Channel simultaneity	∞

## Environmental Specifications

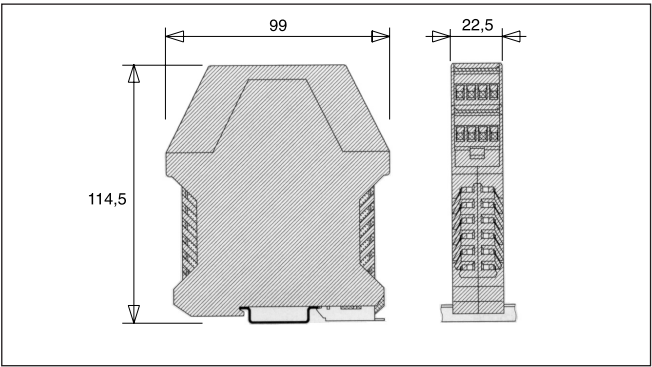
Operating temperature	-20°C to + 65°C
Storage temperature	-25°C to + 65°C

## Mechanical Specifications

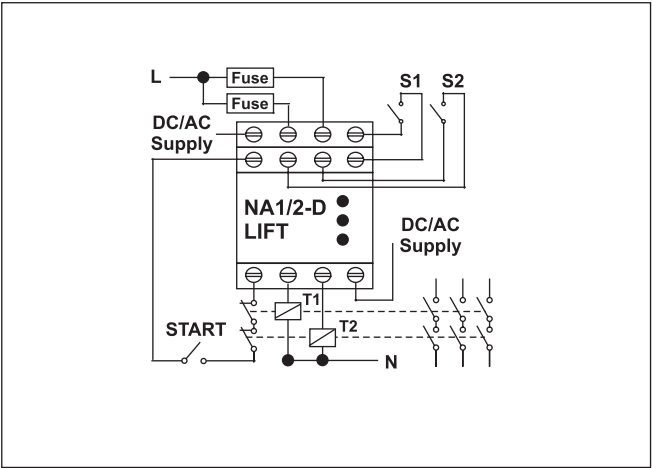
Protection degree terminals	IP 20
Protection degree housing	IP 40
Housing material	Polyamid PA 6.6
Housing type	22.5 mm housing models
Mounting	DIN rail

Max cross section of external conductors	2.5 mm <sup>2</sup> flexible wire 2.5 mm <sup>2</sup> rigid wire
Dimensions (H x W x D)	99x22.5x105 mm
Weight	200 g

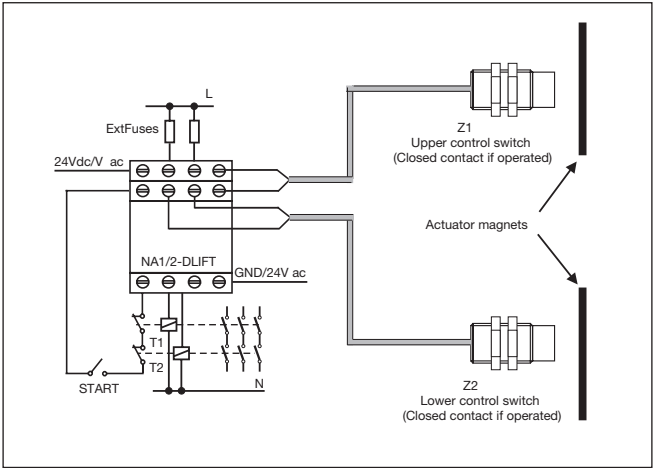
**Dimensions**



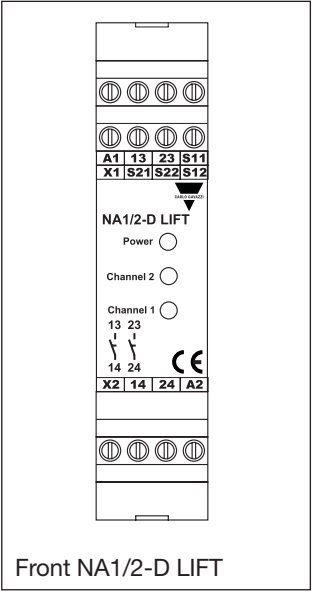
**Wiring Diagrams**



**Application**



**Connection Sample**



**Connections**

Terminal	Function/Connection
A1	+24 Vdc or AC supply
A2	GND or AC supply
S11-S12	First input channel (NO)
S21-S22	Second input channel (NO)
X1-X2	Feedback and Reset circuit input
13-14	First safety output (NO)
23-24	Second safety output (NO)

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