



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Emergency Stop and Safety Gate Modules NA1/2-D

CARLO GAVAZZI



- Safety Category 4 according to EN 954-1
- Redundant circuit
- Force guided relay contacts
- Dual channel input
- 2 NO safety outputs
- Failure diagnosis by LEDs
- Feedback circuit for external contactors monitoring
- Automatic or manual start
- Approval: TUV pending

Product Description

Emergency stop and safety gate module according to EN 60204-1, EN 292-1 /-2, EN 418 and EN 1088. The safety module is in safety category 4 and is provided with 2 NO

safety outputs. It can be used together with safety magnetic sensors SMS series, safety switches or emergency push buttons.

Ordering Key

NA1/2-D

Case _____
 Application _____
 Controlled Devices _____
 Safety Outputs _____
 Safety Category _____

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

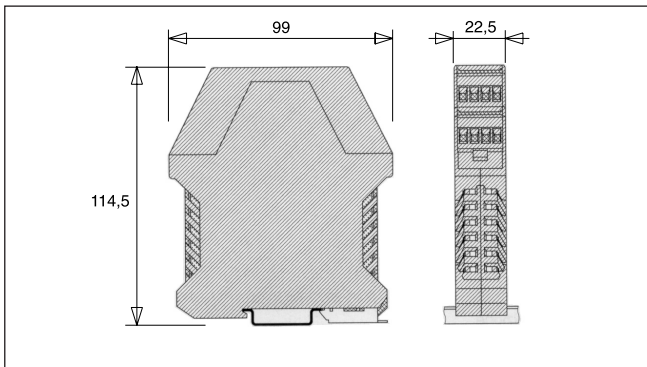
Operating temperature	-20°C to + 65°C
Storage temperature	-25°C to + 65°C

Mechanical Specifications

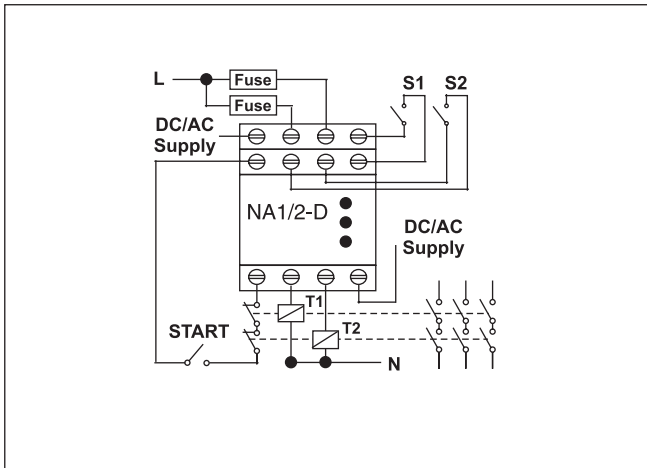
Protection degree terminals	IP 20
Protection degree housing	IP 40
Housing material	Polyamid PA 6.6
Housing type	22.5 mm housing models
Mounting	DIN rail

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

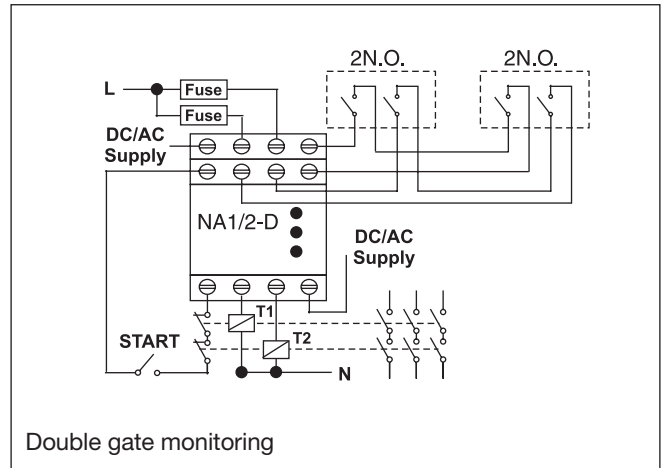
Dimensions



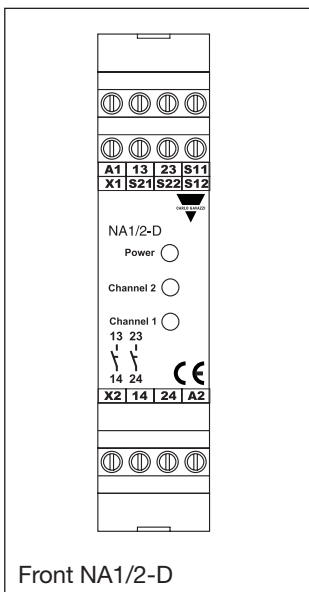
Wiring Diagrams



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)