Emergency Stop and Safety Gate Modules NA13CT

CARLO GAVAZZI

- Safety Category 3 according to EN 954-1
- Category 1 Emergency Stop
- 3 NO delayed safety outputs
- 1 NC auxiliary delayed output
- 24 VDC or 18 VAC power supply
- Single channel operation
- Automatic or manual reset
- Failure diagnosis by LEDs

Product Description

Emergency Stop and Safety Gate modules for category 1 emergency STOP according to EN 60204-1, EN 292-1 /-2, EN 418, EN 1088 and EN 954-1.

Ordering Key

NA13 C T

Housing
Application
Controlled Devices
Safety Outputs
Safety Category
Delayed Outputs

Electrical Specifications

Power supply	18 VAC ± 10% 50-60Hz / 24 VDC ± 10%
Power consumption	2 VA / 2 W
Safety outputs	3 NO delayed
Auxiliary outputs	1 NC delayed
Contact ratings	
Resistive loads AC1	6 A @ 230 VAC
Small inductive loads AC15	3 A @ 230 VAC
DC13	3 A @ 24 VDC (50000 cycles)

Safety output contact fuse protection	4 A fast or 4 A delayed
Insulation voltage	
Supply to input	none
Supply to output	4 kV 1.2/50µs
Input to output	4 kV 1.2/50µs
	Pollution degree 2
	Overvoltage category III

Time Specifications

Delay on energisation	≤ 100 ms
Delay on de-energisation	1.2 s ± 0.5 sec @ 24 VDC
Recovery time	Td + 0,4 s
Delay time Td	1 s
Channel simultaneity	Infinite

Environmental Specifications

Operating temperature	-25°C ... + 65°C
Storage temperature	-25°C ... + 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 mm² flexible wire 2.5 mm² rigid wire
Dimensions	22.5 x 99 x 114 mm
Weight	200 g

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Dimensions

99

114   22.5
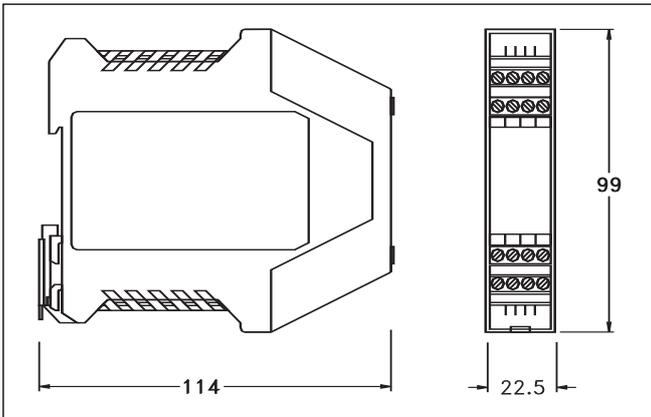
Wiring Diagrams
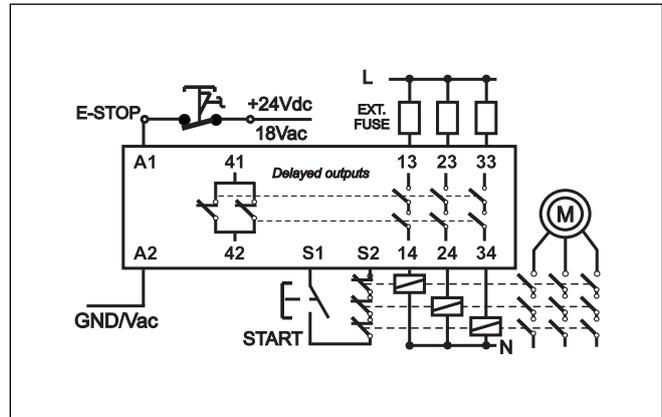
Connection Sample

Front NA13CT
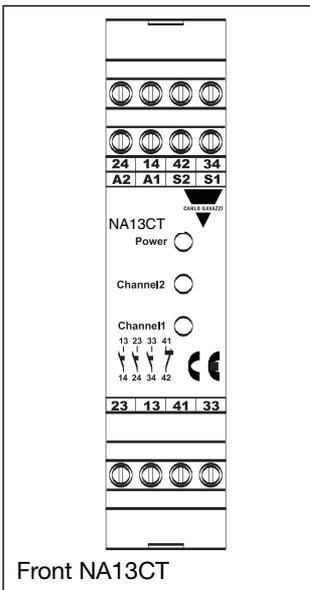
Connections

Terminal	Function/Connection
A1	+24 VDC or 18 VAC
A2	GND or 18 VAC
S1-S2	START and Feedback control loop input
13-14	First safety delayed output (NO)
23-24	Second safety delayed output (NO)
33-34	Third safety delayed output (NO)
41-42	Auxiliary delayed output (NC)