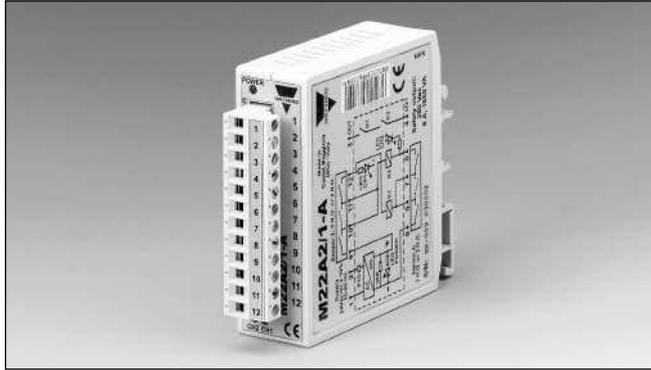


# Emergency Stop and Safety Gate Modules M22A21A

CARLO GAVAZZI



- Safety Category 1 according to EN 954-1
- Category 0 Emergency Stop
- 1 NO safety output
- 24 VAC / VDC power supply
- Single/dual channel inputs
- Automatic reset
- Failure diagnosis by LEDs

## Product Description

Emergency Stop and Safety Gate module according to EN 418, EN 1088 and EN 954-1. EN 60204-1, EN 292-1/-2,

## Ordering Key

**M22 A 2 1 A**

Housing \_\_\_\_\_  
 Application \_\_\_\_\_  
 Controlled Devices \_\_\_\_\_  
 Safety Outputs \_\_\_\_\_  
 Safety Category \_\_\_\_\_

## Electrical Specifications

Power supply	24 VAC ± 10% 50-60Hz / 24 VDC ± 10%
Power consumption	2 VA / 2 W
Input current/voltage	50 mA @ 24 VDC
Safety outputs	1 NO
Auxiliary outputs	–

Safety output switching voltage /current /capability	250Vac/6A/1660VA
Safety output contact fuse protection	6 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	≤ 25 ms
Delay on de-energisation	≤ 25 ms
Channel simultaneity	∞

## Environmental Specifications

Operating temperature	-0°C ... + 55°C
Storage temperature	-25°C ... + 65°C

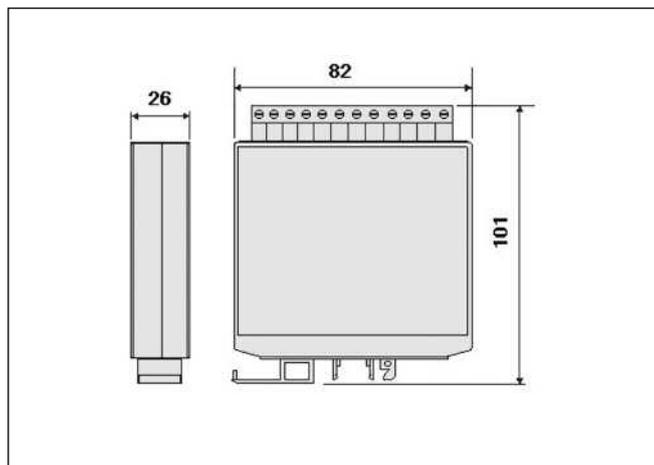
## Mechanical Specifications

Protection degree terminals	IP 20
Protection degree housing	IP 30
Housing material	Nylon flammability class V0-UL94
Housing type	26 mm housing models
Mounting	DIN rail

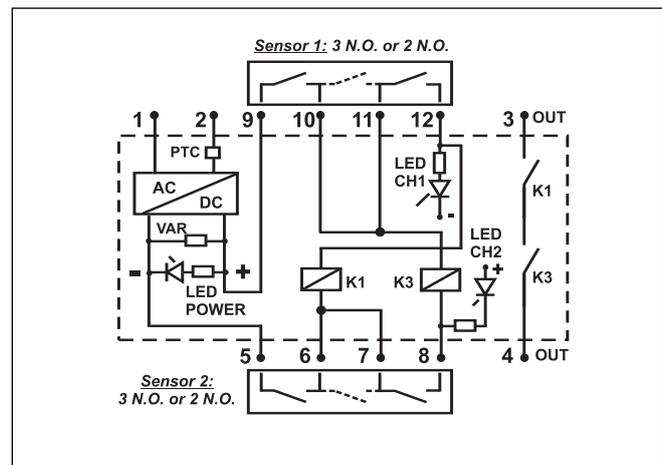
Max cross section of external conductors	1.5 mm <sup>2</sup> flexible wire 2.5 mm <sup>2</sup> rigid wire
Dimensions	26 x 82 x 101 mm
Weight	120 g



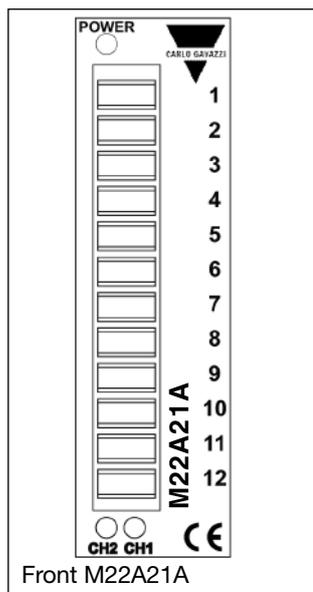
## Dimensions



## Wiring Diagrams



## Connection Sample



## Connections

Terminal Function	Connection
1	+24 VDC or AC supply
2	GND or AC supply
5-6-7-8	First input channel (E-STOP or Safety Switch Channel 1)
9-10-11-12	Second input channel (E-STOP or Safety Switch Channel 2)
3-4	Safety Output (NO)