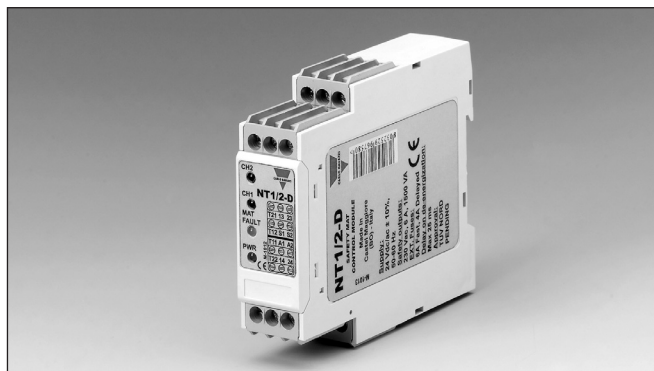


Pressure Sensing Mat Safety Module NT1/2-D


CARLO GAVAZZI


- Safety Category 3 together with SM Safety mats according to EN 954-1
- Redundant and self monitoring circuit
- Mat integrity monitoring
- Four wire input
- Feedback circuit for external contactors monitoring
- Possibility to add /amplify safety output contacts
- Mat detection simulating through a TEST push-button
- Manual or automatic restart
- Failure diagnosis by LEDs
- Approval:



Product Description

Pressure sensing mat safety module in conformity with EN 954-1, EN 60904-1, EN 292-1,-2 and EN 1760-1. The module has been designed to be employed along with the SM.. Safety mat; this safety system

constitute an effective and reliable safety package of Safety Category 3. The module is provided with safety output contacts with force guided relay contacts, four wire input and manual or automatic restart.

Ordering Key

NT1/2-D

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

Electrical Specifications

| | |
|-----------------------|--|
| Power supply | 24 Vac \pm 10% 50-60Hz / 24 Vdc \pm 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 | 230Vac/6A/1500VA |
| Safety output contact fuse protection | 4 A fast or 1 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 | 2 sec \pm 15% |
| Delay on de-energisation | \leq 150 ms (NT1/2-D+SM) |
| Channel simultaneity | ∞ |

Environmental Specifications

| | |
|-----------------------|-----------------|
| Operating temperature | 0°C to + 55°C |
| Storage temperature | -25°C to + 55°C |

Mechanical Specifications

| | |
|-----------------------------|------------------------|
| Protection degree terminals | IP 20 |
| Protection degree housing | IP 30 |
| Housing material | ABS |
| Housing type | 22.5 mm housing models |
| Mounting | DIN rail |

| | |
|--|---|
| Max cross section of external conductors | 2.5 mm ² flexible wire 4 mm ² rigid wire |
| Dimensions (H x W x D) | 84x22.5x100 mm |
| Weight | 160 g |

