



Product Service

CERTIFICATE

No. Z10 075157 0022 Rev. 01

Holder of Certificate: **Pizzato Elettrica s.r.l.**

Via Torino 1
36063 Marostica (VI)
ITALY

Certification Mark:



Product: **Safety components**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: **PM86013T**

Valid until: 2024-02-19

Date, 2021-12-08

(Christian Dirmeier)

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Parameters: Degree of protection: IP67, IP69K
Ambient temperature: -20°C...+50°C
Storing temperature: -40°C...+75°C

Tested according to: 2006/42/EC
EN 60947-1:2007/A2:2014
EN 60947-5-2:2020
EN 60947-5-3:2013
EN ISO 14119:2013
EN 61508-1:2010 (SIL3)
EN 61508-2:2010 (SIL3)
EN 61508-3:2010 (SIL3)
EN 62061:2005/A2:2015 (SIL CL3)
EN ISO 13849-1:2015 (PL e, Cat. 4)

Model(s): **Safety Sensor NG Locking Switch**

NG 2aabcdee-fffgggghhhhiijjjj

with:

2 Fixed code

aa Actuator head

- D1:** Standard head
- D5:** key operated auxiliary switch head
- D6:** key operated auxiliary switch and anti-panic release push button head
- D7:** anti-panic release push button head
- D8:** key operated auxiliary switch and remote escape release head
- D9:** remote escape release head

b Functioning mode

- D:** Power to unlock
- E:** Power to lock

c Inputs, outputs and programming

- 2:** Two safety outputs OS1 OS2, Inserted actuator signaling output O3, Locked actuator signaling output O4, electro-magnet activation input I4
- 3:** Two safety inputs IS1 IS2, Two safety outputs OS1 OS2, Inserted actuator signaling output O3, Locked actuator signaling output O4, electro-magnet activation input I4
- 4:** Two safety inputs IS1 IS2, Two safety outputs OS1 OS2, Inserted actuator signaling output O3, Locked actuator signaling output O4, electro-magnet activation input I4 Actuator programming input I3
- 5:** Two safety inputs IS1 IS2, Two safety outputs OS1 OS2, Inserted actuator signaling output O3, Locked actuator signaling output O4, electro-magnet activation input I4, Actuator programming input I3, EDM feedback input I5
- 6:** Two safety inputs IS1 IS2, Two safety outputs OS1 OS2, Inserted actuator signaling output O3, device fault signaling output O4, electro-magnet activation input I4, Actuator programming input I3
- 7:** Two safety inputs IS1 and IS2. Two safety outputs OS1 and OS2. Inserted actuator signaling output O3 (active low), device fault signaling output O4 (active low), electro-magnet activation input I4 or IE1 & IE2, actuator programming input I3.

d Safety outputs activation mode

- 1:** Activation of OS1 and OS2 outputs with actuator inserted and locked (guard locked)
- 2:** Activation of the safety outputs with actuator inserted (guard closed)
- 3:** Activation of OS1 output with actuator inserted and locked (guard is closed and locked) and IS1 active. Activation of OS2 output with actuator inserted (guard is closed only) and IS2 active. Mode 3 only: SIL 2, CAT2/PL d



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ee Enclosure cover

1A Standard cover

1B-ZZ Raised cover with or without buttons, LEDs, mushroom-switches (protection degree IP65)

Options:

fff Actuator

blank No actuator provided

F30 provided with VN NG-F30 actuator with low coding level the switch recognizes any type F30 actuator

F31 provided with VN NG-F31 actuator with high coding level the switch recognizes one single actuator

gggg Preinstalled connectors (Non Safety)

blank no connectors (standard)

K110 with M12 metal connector assembled and wired, 12 poles from bottom

K900 with M23 metal connector assembled and wired, 12 poles from bottom

... Other connectors on request

hhhh Release button length (Non Safety)

blank wall thickness length max 15 mm (standard)

LP30 wall thickness length max 30 mm

LP40 wall thickness length max 40 mm

LP50 wall thickness length max 50 mm

LP60 wall thickness length max 60 mm

... Other wall thickness on request

iiii Remote escape release cable length

blank remote escape release cable length 5 m (standard)

LCxx other cable length

jjjj Additional alphanumeric code (Non Safety)

An additional alphanumeric code could be added to product code for customer's non-electrical variations (e.g. color, gold plated contacts, special labeling, special packaging, etc.)."