



Product Service

CERTIFICATE

No. Z10 075157 0035 Rev. 01

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

Via Torino 1
36063 Marostica (VI)
ITALY

Certification Mark:



Product: **Safety components
Safety Interlocks**

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, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: PM103150T

Valid until: 2030-05-12

Date, 2025-05-16

(Thomas Kreten)

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Parameters:

Operating Voltage:	24 Vdc $\pm$ 10%
Ambient temperature:	-20°C ... +50°C
Max actuation frequency:	600 operation cycles / hour
Max. holding force F_{zh} :	3 kN
Degree of protection:	IP67/IP69K

Tested according to:

2006/42/EC
 EN IEC 60947-5-2:2020/A11:2022
 EN 60947-5-3:2013
 EN 61508-1:2010 (SIL 2 / 3)
 EN 61508-2:2010 (SIL 2 / 3)
 EN 61508-3:2010 (SIL 2 / 3)
 EN IEC 62061:2021 (maximum SIL 3)
 EN ISO 13849-1:2023 (Cat 2 / 4, PL d / e)
 EN ISO 14119:2013

Model(s): **NX locking switch**

NX abcdefghi-jjjkkkkllll

with:

- a Safety Output Activation functioning mode
 - B: Bistable, 'Mode 1': safety outputs active with guard locked
 - P: Bistable, 'Mode 2': safety outputs active with guard closed
 - Q: Bistable, 'Mode 3': safety output OS1 active with guard locked, safety output OS2 active with guard closed
- b Input, output and programming signals
 - 3: Two safety inputs IS1 IS2, two safety outputs OS1 OS2, inserted actuator signaling output O3, locked actuator signaling output O4, electro-magnet activation inputs IE1/IE2, reset input I3
 - 4: Two safety inputs IS1 IS2, two safety outputs OS1 OS2, inserted actuator signaling output O3, locked actuator signaling output O4, electro-magnet activation inputs IE1/IE2, actuator programming/reset 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 inputs IE1/IE2, actuator programming/reset input I3, EDM feedback input I5
- c Tag code Programming
 - 1: Factory programmed
 - 2: Programmable
- d Front auxiliary unlock
 - A: Screw driver auxiliary unlock
 - C: Modular screwdriver unlock
 - Z: Without auxiliary unlock
- e Rear auxiliary unlock
 - Z: Without auxiliary unlock
 - E: Escape Release

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f External metal parts

- 1: Standard
- 2: Stainless steel

g Connection position

- S: Axial connection

h Cable or connector type

- A: PVC cable – 12 x 0,14 mm²
- B: PVC cable – 8 x 0,25 mm²
- E: PUR cable – 8 x 0,25 mm²
- M: 12 poles M12 connector (male)
- P: 8 poles M12 connector (male) for “stand alone” connections (first device of a daisy chain connection)
- Q: 8 poles M12 connector (male) for “Y cable” daisy chain connections

i Connection type

- K: Integrated M12 male connector (no cable)
- xxx: xxx m cable (e.g. 0.2=0,2 m cable length, 2=2 m cable length, 10=10 m cable length)

Optional codes:

jjj Actuator

- blank No actuator provided
- F60 Provided with VN NX-F60 actuator with low coding level
- F61 Provided with VN NX-F61 actuator with high coding level

kkkk 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
- Other wall thickness on request

llll Additional alphanumeric code (Non Safety)

An additional alphanumeric code could be added to the product code for customer's non-electrical variations (e.g. color, special labeling, special packaging, non-safety firmware customization, etc.).