



Product Service

# CERTIFICATE

No. Z10 075157 0035 Rev. 00

**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](http://www.tuvsud.com/ps-cert)

**Test report no.:** PM103150T

**Valid until:** 2029-07-02

**Date,** 2024-07-03

( Christian Dirmeier )

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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 abcde1fgh-iiiijjj**

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



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1 Fixed code

f Connection position

**S:** Axial connection

g Cable or connector type

**A:** PVC cable – 12 x 0,14 mm<sup>2</sup>

**B:** PVC cable – 8 x 0,25 mm<sup>2</sup>

**E:** PUR cable – 8 x 0,25 mm<sup>2</sup>

**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

h Connection type

**K:** Integrated M12 male connector (no cable)

**xxx:** xxx m cable (e.g.:0,1 m cable length, 2=2 m cable length, 10=10 m cable length)

Optional codes:

iii 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

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, special labeling, special packaging, non-safety firmware customization, etc.).