ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

EC-Type Examination Certificate

No. M6A 075157 0029 Rev. 03

Holder of Certificate: **Pizzato Elettrica s.r.l.**
Via Torino 1
36063 Marostica (VI)
ITALY

Product: **Safety components**

This EC Type Examination Certificate is issued according to Article 12(3) b or 12(4) a of Council Directive 2006/42/EC relating to machinery. It confirms that the listed Annex-IV equipment complies with the principal protection requirements of the directive. It refers only to the sample submitted to TÜV SÜD Product Service GmbH for testing and certification. For details see: www.tuvsud.com/ps-cert

Test report no.: PM105885C

Valid until: 2028-11-05

Date, 2025-11-24

(Christian Dirmeier)

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Model(s): NS locking switch

Parameters:

Operating voltage:	24 Vdc ±10%
Ambient temperature:	-20°C … +50°C
Max actuation frequency:	600 operation cycles / hour
Max. holding force Fzh:	1615 N
Degree of protection:	IP67/IP69K

Nomenclature of NS Series

NS abcd1efg-hhhiiiijjjkkkkllllmmmm
with

a Safety Output Activation functioning mode
D: spring-locked guard, 'Mode 1': safety output active with guard locked
E: spring-unlocked guard, 'Mode 1': safety output active with guard locked
R: spring-locked guard, 'Mode 1': safety outputs active with guard locked, with direct e.m. control
G: spring-locked guard, 'Mode 2': safety output active with guard closed
H: spring-unlocked guard, 'Mode 2': safety output active with guard closed
L: spring-locked guard, 'Mode 3': safety output OS1 active with guard locked, safety output OS2 active with guard closed
M: spring-unlocked guard, 'Mode 3': safety output OS1 active with guard locked, safety output OS2 active with guard closed

b Input, output and programming signals:
2: Two safety outputs OS1 OS2, inserted actuator signaling output O3, locked actuator signaling output O4, electro-magnet activation inputs IE1/IE2
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
6: Two safety inputs IS1 IS2, two safety outputs OS1 OS2, inserted actuator signaling output O3, acknowledge status signaling output O4, electro-magnet activation inputs IE1/IE2, actuator programming/reset input I3, acknowledge input I5.
7: Two safety inputs IS1 IS2, two safety outputs OS1 OS2, inserted actuator signaling output O3, acknowledge status signaling output O4, electro-magnet activation inputs IE1/IE2, internal acknowledge input I3, external acknowledge input I5.

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c Front auxiliary unlock
Z: Without auxiliary unlock
A: Screw driver auxiliary unlock
C: Modular screwdriver unlock
E: Modular escape release
S: Modular key lock
T: Modular plug

d Rear auxiliary unlock
Z: Without auxiliary unlock
C: Modular screwdriver unlock
E: Modular escape release
R: Remote escape release
S: Modular key lock
T: Modular plug

1: Fixed code

e: Connection position
D: Side adjustable connection
S: Axial connection

f: Connection type
A: PVC cable - 12 x 0,14 mm2
B: PVC cable - 8 x 0,34 mm2
D: PUR halogen-free cable - 12 x 0,14 mm2
E: PUR halogen-free cable - 8 x 0,34 mm2
G: Railway cable EN 50306-4 - 12 x 0,14 mm2
H: Railway cable EN 50306-4 - 8 x 0,34 mm2
M: 12 poles M12 connector (male)
P: 8 poles M12 connector (male) for “stand alone” connections
Q: 8 poles M12 connector (male) for “Y cable” daisy chain connections
R: double 12 poles M12 connector (male)
S: 12 poles M23 connector (male)
T: 19 poles M23 connector (male)

g: Cable length in meters
K: Integrated M12 male connector (no cable)
0: Special cable code (see optional code Zxxx)
xxx: xxx m cable (e.g.: 0.1=0,1m cable length, 2=2m cable length, 10=10m cable length, etc.)

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Optional codes:
hhh Actuator
blank No actuator provided
F40: provided with VN NS-F40 actuator with low coding level
F41: provided with VN NS-F41 actuator with high coding level

iiii Numerical code of control component configuration
Blank: no HMI extension
N001 Configuration 001
N002 Configuration 002
N003 Configuration 003
Nxxx Configuration xxx

jjj Actuator extraction force
Blank standard value (20 N)
E36: zero force extraction
E37: higher extraction force (40 N)
Other force extraction on request

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 Remote escape release cable length
Blank: remote escape release cable length 5m (standard)
LCxx: other cable length

mmmm 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.)

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