

SÄHKÖLUKKO NS

NSE4ZZ1SRKF41N002

Sähkölukko NS, napit(v,s,hs), 2xM12, sähköllä lukittava

- OSSD turvaulostulot
- Pitovoima 2100 N
- RFID-anturi
- Muovirunko
- Integroidut ohjauskalusteet



TUOTEKUVAUS

Pizzato NS-sähkölukko RFID-anturilla

Kompakti sähkölukko edistyksellisillä ominaisuuksilla:

- Solenoidilukitus
- Pitovoima 2100 N
- Kosketukseton RFID-anturi
- SIL 3, PL e
- Muovirunko
- Optiona hätäulospainike ja vapautusavain
- LED-merkkivalot
- IP67 (EN 60529) / IP69K (ISO 20653)
- Saatavana myös integroidut ohjauslaitteet sekä kahva RGB LED-valolla

Saatavana lukuisia eri variaatioita. Ota yhteyttä, niin autamme valitsemaan juuri sinun sovellukseesi parhaiten sopivan vaihtoehdon!

TEKNISET TIEDOT

TIEDOT

Liitäntätyyppi	2x M12-liitin, 12 napainen
Sarjaankytkettävä	Kyllä
Min. käyttölämpötila	-20 °C
Max. käyttölämpötila	50 °C

SYÖTTÖ

Syöttöjännite	24 Vdc
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SISÄÄNTULOT JA ULOSTULOT

Turvaulostulot	2x OSSD
Signaaliulostulot	2x PNP

KOTELO

Min. käyttölämpötila	-20 °C
Max. käyttölämpötila	50 °C
IP-luokka	IP65
Lukitus	sähköllä lukittava

TURVA-ARVOT JA HYVÄKSYNNÄT

PL	e
SIL	3
IP-luokka	IP65

Safety switch internal connections

Versions with connector		Versions with cable		Connection
M12 connector 12 pins	M12 connector 8 pins reserved 4 pins for connector	M12 connector 8 pins reserved 4 pins for connector	Cable 8x12 M12 reserved 4 pins for connector	
3	3	3	White	A2: Supply input 0 V
10	8	8	Purple	B1: Solenoid activation input
10	8	/	Red-Blue	B2: Solenoid activation input
8	2	/	Pink	C3: Signalling output, actuator inserted
8	/	Blue	Red	D4: Signalling output, actuator inserted and locked
8	6	/	Gray	I3: Actuator programming input / reset
3	1	1	Brown	A1: Supply input +24 Vdc
2	/	2	Blue	B1: Safety input
8	/	8	Yellow	B2: Safety input
10	/	/	Gray-Pink	B6: ESDM input (a)
4	4	4	Green	C3: Safety output
7	7	7	Black	C3: Safety output

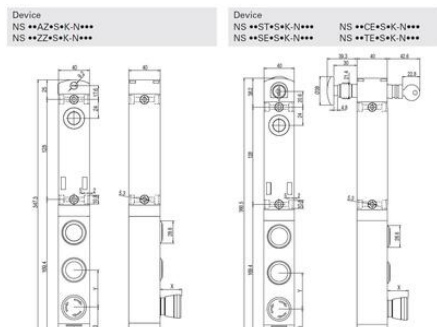
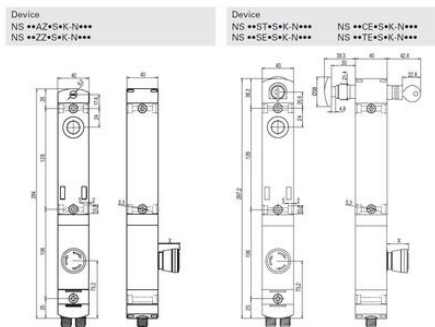
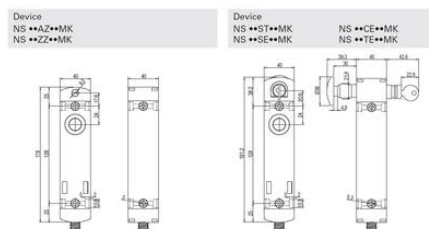
Internal connections (versions with integrated control device unit for 1 device)

Connection	NS -> DSK-NT10	NS -> DSK-NT11	NS -> DSK-NT12
A1: Supply input +24 Vdc	A1 (C) A1	A1 (C) A1	A1 (C) A1
A2: Supply input 0 Vdc	A2 (C) A2	A2 (C) A2	A2 (C) A2
B1: Safety input	B1 (C) B1	B1 (C) B1	B1 (C) B1
C3: Safety output	C3 (C) C3	C3 (C) C3	C3 (C) C3
B1: Safety input	B1 (C) B1	B1 (C) B1	B1 (C) B1
B2: Safety input	B2 (C) B2	B2 (C) B2	B2 (C) B2
B1: Solenoid activation input for double channel mode	B1 (C) B1	B1 (C) B1	B1 (C) B1
B2: Solenoid activation input for double channel mode	B2 (C) B2	B2 (C) B2	B2 (C) B2
C3: Signalling output, actuator inserted	C3 (C) C3	C3 (C) C3	C3 (C) C3
D4: Signalling output, actuator inserted and locked	D4 (C) D4	D4 (C) D4	D4 (C) D4
I3: Actuator programming input / reset	I3 (C) I3	I3 (C) I3	I3 (C) I3
B6: ESDM input (a)	B6 (C) B6	B6 (C) B6	B6 (C) B6
B6: Solenoid activation input for single channel mode	B6 (C) B6	B6 (C) B6	B6 (C) B6

Internal connections (versions with integrated control device unit for 2 devices)

Connection	NS -> DSK-NT13	NS -> DSK-NT14	NS -> DSK-NT15
A1: Supply input +24 Vdc	A1 (C) A1	A1 (C) A1	A1 (C) A1
A2: Supply input 0 Vdc	A2 (C) A2	A2 (C) A2	A2 (C) A2
B1: Safety input	B1 (C) B1	B1 (C) B1	B1 (C) B1
C3: Safety output	C3 (C) C3	C3 (C) C3	C3 (C) C3
B1: Safety input	B1 (C) B1	B1 (C) B1	B1 (C) B1
B2: Safety input	B2 (C) B2	B2 (C) B2	B2 (C) B2
B1: Solenoid activation input for double channel mode	B1 (C) B1	B1 (C) B1	B1 (C) B1
B2: Solenoid activation input for double channel mode	B2 (C) B2	B2 (C) B2	B2 (C) B2
C3: Signalling output, actuator inserted	C3 (C) C3	C3 (C) C3	C3 (C) C3
D4: Signalling output, actuator inserted and locked	D4 (C) D4	D4 (C) D4	D4 (C) D4
I3: Actuator programming input / reset	I3 (C) I3	I3 (C) I3	I3 (C) I3
B6: ESDM input (a)	B6 (C) B6	B6 (C) B6	B6 (C) B6
B6: Solenoid activation input for single channel mode	B6 (C) B6	B6 (C) B6	B6 (C) B6

Function		YES $\rightarrow$ GLE-0001	NO $\rightarrow$ GLE-0002	YES $\rightarrow$ TR-0003
A1	Supply input +24 Vdc	Ar	A	Ar
A2	Supply input 0 Vdc	Ar	A	Ar
B1	Safety input	B1	B1	B1
OR1	Safety input	Or1	Or1	Or1
OR2	Safety input	Or2	Or2	Or2
OR3	Safety input	Or3	Or3	Or3
OR4	Safety input	Or4	Or4	Or4
OR5	Safety input	Or5	Or5	Or5
OR6	Safety input	Or6	Or6	Or6
OR7	Safety input	Or7	Or7	Or7
OR8	Safety input	Or8	Or8	Or8
OR9	Safety input	Or9	Or9	Or9
OR10	Safety input	Or10	Or10	Or10
OR11	Safety input	Or11	Or11	Or11
OR12	Safety input	Or12	Or12	Or12
OR13	Safety input	Or13	Or13	Or13
OR14	Safety input	Or14	Or14	Or14
OR15	Safety input	Or15	Or15	Or15
OR16	Safety input	Or16	Or16	Or16
OR17	Safety input	Or17	Or17	Or17
OR18	Safety input	Or18	Or18	Or18
OR19	Safety input	Or19	Or19	Or19
OR20	Safety input	Or20	Or20	Or20
OR21	Safety input	Or21	Or21	Or21
OR22	Safety input	Or22	Or22	Or22
OR23	Safety input	Or23	Or23	Or23
OR24	Safety input	Or24	Or24	Or24
OR25	Safety input	Or25	Or25	Or25
OR26	Safety input	Or26	Or26	Or26
OR27	Safety input	Or27	Or27	Or27
OR28	Safety input	Or28	Or28	Or28
OR29	Safety input	Or29	Or29	Or29
OR30	Safety input	Or30	Or30	Or30
OR31	Safety input	Or31	Or31	Or31
OR32	Safety input	Or32	Or32	Or32
OR33	Safety input	Or33	Or33	Or33
OR34	Safety input	Or34	Or34	Or34
OR35	Safety input	Or35	Or35	Or35
OR36	Safety input	Or36	Or36	Or36
OR37	Safety input	Or37	Or37	Or37
OR38	Safety input	Or38	Or38	Or38
OR39	Safety input	Or39	Or39	Or39
OR40	Safety input	Or40	Or40	Or40
OR41	Safety input	Or41	Or41	Or41
OR42	Safety input	Or42	Or42	Or42
OR43	Safety input	Or43	Or43	Or43
OR44	Safety input	Or44	Or44	Or44
OR45	Safety input	Or45	Or45	Or45
OR46	Safety input	Or46	Or46	Or46
OR47	Safety input	Or47	Or47	Or47
OR48	Safety input	Or48	Or48	Or48
OR49	Safety input	Or49	Or49	Or49
OR50	Safety input	Or50	Or50	Or50
OR51	Safety input	Or51	Or51	Or51
OR52	Safety input	Or52	Or52	Or52
OR53	Safety input	Or53	Or53	Or53
OR54	Safety input	Or54	Or54	Or54
OR55	Safety input	Or55	Or55	Or55
OR56	Safety input	Or56	Or56	Or56
OR57	Safety input	Or57	Or57	Or57
OR58	Safety input	Or58	Or58	Or58
OR59	Safety input	Or59	Or59	Or59
OR60	Safety input	Or60	Or60	Or60
OR61	Safety input	Or61	Or61	Or61
OR62	Safety input	Or62	Or62	Or62
OR63	Safety input	Or63	Or63	Or63
OR64	Safety input	Or64	Or64	Or64
OR65	Safety input	Or65	Or65	Or65
OR66	Safety input	Or66	Or66	Or66
OR67	Safety input	Or67	Or67	Or67
OR68	Safety input	Or68	Or68	Or68
OR69	Safety input	Or69	Or69	Or69
OR70	Safety input	Or70	Or70	Or70
OR71	Safety input	Or71	Or71	Or71
OR72	Safety input	Or72	Or72	Or72
OR73	Safety input	Or73	Or73	Or73
OR74	Safety input	Or74	Or74	Or74
OR75	Safety input	Or75	Or75	Or75
OR76	Safety input	Or76	Or76	Or76
OR77	Safety input	Or77		

[illegible][illegible]

X = see page 15. Y = 47.5 mm (versions with 3 buttons); Y = 31.7 mm (versions with 4 buttons)

	medium	NS-000-AT10	NS-000-NT11	NS-000-AT12
A1	Supply input +24 Vdc	A1	A1	A1
A2	Supply input 0 Vdc	A2	A3	A2
B1	Safety input	B1	B1	B1
Q1	Safety output	Q1	Q1	Q1
Q2	Safety input	Q2	Q2	Q2
Q3	Safety output	Q3	Q3	Q3
E1	Selected activation input for double channel mode	E1	E1	E1
E2	Selected activation input for double channel mode	E2	E2	E2
G1	Spigolling output, actuator extended	G1	G1	G1
G2	Spigolling output, actuator retracted and locked	G2	G2	G2
A3	Actuator programming input f reset	A3	A3	A3
B2	EDM input	B2	B2	B2
B3	Selected activation input for single channel mode	B3	B3	B3

* Available for NS-000-NT11 (series control only)

The diagram illustrates the system architecture for three different input types: A1 (Safety input $\geq 2.5\text{ Vdc}$), A2 (Safety input 0 Vdc), and A3 (Safety input). Each path starts with an input signal, followed by a series of logic gates (AND, OR, NOT) and comparators, leading to a final output signal. The paths are interconnected at various points, including a common output line labeled 'Safety output'.

Connection		NO (N1) - NO2 (N10)	NO (N1) - NO2 (N10)	NO (N1) - NO2 (N10)
A1	Supply input +24 Vdc	A1	A1	A1
A2	Supply input 0 Vdc	A2	A2	A2
N11	Safety input	N11	N11	N11
O01	Safety output	O01	O01	O01
S1	Safety input	S1	S1	S1
O02	Safety output	O02	O02	O02
I1	Second activation input for double channel mode**	I1	I1	I1
S2	Second activation input for double channel mode**	S2	S2	S2
O1	Signaling output, actuator masked	O1	O1	O1
O4	Signaling output, actuator enabled and locked	O4	O4	O4
I4	Actuator programming input / reset	I4	I4	I4
E1	ECOP input**	E1	E1	E1
S3	Second activation input for single channel mode**	S3	S3	S3

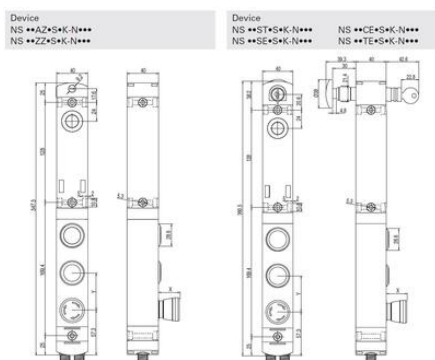
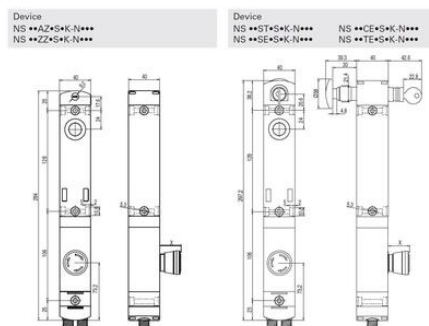
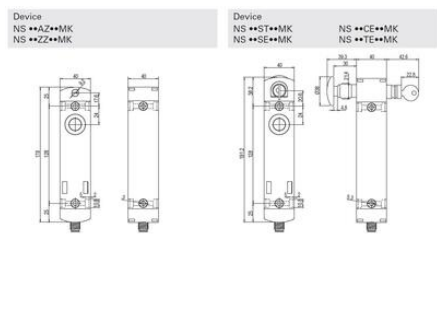
** See Section 4.1 for where these inputs are used.

** For versions with double KPL connection, 12 pins

** For versions with NO2 connection, 10 pins

Function		NI-5520C-A004	NI-5520C-A005	NI-5520C-A006
A1	Supply input +24 Vdc	A1	A1	A1
A2	Supply input 0 Vdc	A2	A2	A2
I01	Safety input	I01	I01	I01
O01	Safety output	O01	O01	O01
I02	Safety input	I02	I02	I02
O02	Safety output	O02	O02	O02
I03	Solenoid activation input for double channel mode	I03	I03	I03
I04	Solenoid activation input for double channel mode	I04	I04	I04
O03	Signalling output, actuator shared	O03	O03	O03
O04	Signalling output, actuator inserted and locked	O04	O04	O04
I05	Actuator programming input / reset	I05	I05	I05
I06	32-bit input	I06	I06	I06

NOT Applicable for NI-5520C-A006 (Common control only)



X = see page 15. Y = 47.5 mm (versions with 3 buttons); Y = 31.7 mm (versions with 4 buttons)

