OEM Finland Oy | Puh: 0207 499 499 | info@oem.fi | www.oem.fi
PL 9, 20101 TURKU

SÄHKÖLUKKO NS

NSD4AZ1SMKF41
Sähkölukko NS, M12 12-nap, sähköllä avattava

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

SYÖTTÖ

Syöttöjännite	24 Vdc

SISÄÄNTULOT JA ULOSTULOT

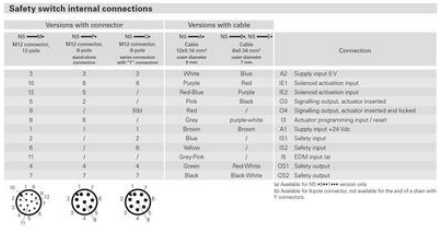
Turvaulostulot	2x OSSD
Signaaliulostulot	2x PNP

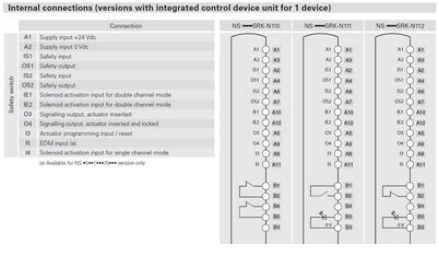
KOTELO

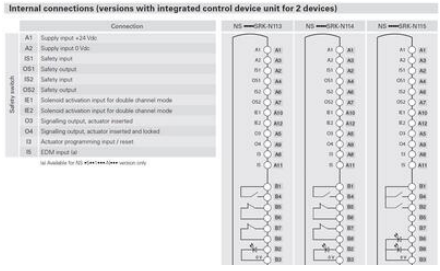
Min. käyttölämpötila	-20 °C
Max. käyttölämpötila	50 °C
IP-luokka	IP67, IP69K
Lukitus	sähköllä avattava

TURVA-ARVOT JA HYVÄKSYNNÄT

PL	e
SIL	3
IP-luokka	IP67, IP69K



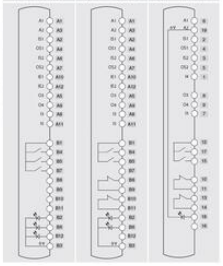




Internal connections (versions with integrated control device unit for 3 devices)

		Connection
Safety switch	A1	Supply input +24 Vdc
	A2	Supply input 0 Vdc
	IS1	Safety input
	OS1	Safety output
	IS2	Safety input
	OS2	Safety output
	IE1	Solenoid activation input for double channel mode [a]
	IE2	Solenoid activation input for double channel mode [a]
	O3	Signalling output, actuator inserted
	O4	Signalling output, actuator inserted and locked
	I3	Actuator programming input / reset
	I5	EDM input [a]
	I4	Solenoid activation input for single channel mode [a]

NS ••GRK-N001 | NS ••GRK-N002 | NS ••GTK-N003

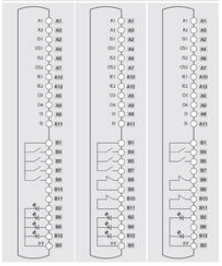


(a) Available for NS ••S••1•••/•••1••• version only
(b) For versions with double M12 connector, 12-pole
(c) For versions with M23 connector, 19-pole

Internal connections (versions with integrated control device unit for 4 devices)

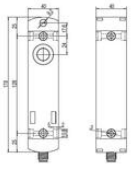
		Connection
Safety switch	A1	Supply input +24 Vdc
	A2	Supply input 0 Vdc
	IS1	Safety input
	OS1	Safety output
	IS2	Safety input
	OS2	Safety output
	IE1	Solenoid activation input for double channel mode
	IE2	Solenoid activation input for double channel mode
	O3	Signalling output, actuator inserted
	O4	Signalling output, actuator inserted and locked
	I3	Actuator programming input / reset
	I5	EDM input (a)

NS ••GRK-N004 | NS ••GRK-N005 | NS ••GTK-N006

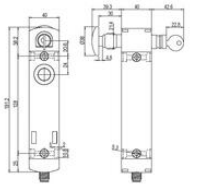


(a) Available for NS ••S••1•••/•••1••• version only

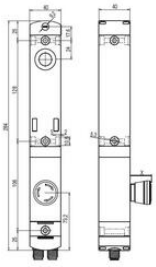
Device
NS ••AZ••MK
NS ••ZZ••MK



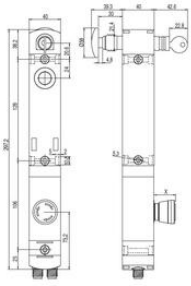
Device
NS ••ST••MK NS ••CE••MK
NS ••SE••MK NS ••TE••MK



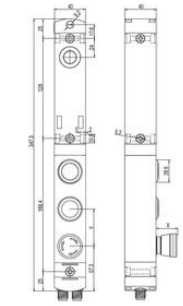
Device
NS ••AZ•S•K-N•••
NS ••ZZ•S•K-N•••



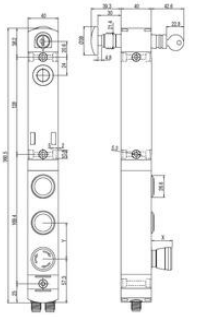
Device
NS ••ST•S•K-N••• NS ••CE•S•K-N•••
NS ••SE•S•K-N••• NS ••TE•S•K-N•••



Device
NS ••AZ•S•K-N•••
NS ••ZZ•S•K-N•••



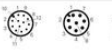
Device
NS ••ST•S•K-N••• NS ••CE•S•K-N•••
NS ••SE•S•K-N••• NS ••TE•S•K-N•••



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

Safety switch internal connections

Versions with connector			Versions with cable			
NS ••••••/k M12 connector, 12-pole	NS ••••••/n M12 connector, 8-pole stand-alone connection	NS ••••••/c M12 connector, 8-pole series connection with "Y" connectors	NS ••••••/A Cable 12x0.14 mm² outer diameter 9 mm	NS ••••••/B, NS ••••••/C Cable 8x0.34 mm² outer diameter 7 mm	Connection	
3	3	3	White	Blue	A2	Supply input 0 V
10	8	8	Purple	Red	IE1	Solenoid activation input
12	5	/	Red-Blue	Purple	IE2	Solenoid activation input
5	2	/	Pink	Black	O3	Signalling output, actuator inserted
9	/	Std	Red	/	O4	Signalling output, actuator inserted and locked
8	6	/	Grey	purple-white	I3	Actuator programming input / reset
1	1	1	Brown	Brown	A1	Supply input +24 Vdc
2	/	2	Blue	/	IS1	Safety input
6	/	6	Yellow	/	IS2	Safety input
11	/	/	Grey-Pink	/	I5	EDM input (a)
4	4	4	Green	Red-White	OS1	Safety output
7	7	7	Black	Black-White	OS2	Safety output



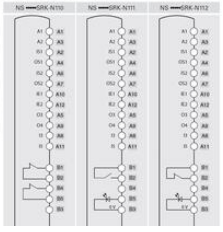
(a) Available for NS ••S••1••• version only
(b) Available for 8-pole connector, not available for the end of a chain with Y connectors.

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

		Connection
Safety switch	A1	Supply input +24 Vdc
	A2	Supply input 0 Vdc
	IS1	Safety input
	OS1	Safety output
	IS2	Safety input
	OS2	Safety output
	IE1	Solenoid activation input for double channel mode
	IE2	Solenoid activation input for double channel mode
	O3	Signalling output, actuator inserted
	O4	Signalling output, actuator inserted and locked
	I3	Actuator programming input / reset
	I5	EDM input (a)
	I4	Solenoid activation input for single channel mode

(a) Available for NS ••S••1•••/•••1••• version only

NS ••GRK-N110 | NS ••GRK-N111 | NS ••GRK-N112

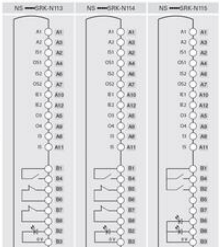


Internal connections (versions with integrated control device unit for 2 devices)

		Connection
Safety switch	A1	Supply input +24 Vdc
	A2	Supply input 0 Vdc
	IS1	Safety input
	OS1	Safety output
	IS2	Safety input
	OS2	Safety output
	IE1	Solenoid activation input for double channel mode
	IE2	Solenoid activation input for double channel mode
	O3	Signalling output, actuator inserted
	O4	Signalling output, actuator inserted and locked
	I3	Actuator programming input / reset
	I5	EDM input (a)

(a) Available for NS ••S••1•••/•••2••• version only

NS ••GRK-N113 | NS ••GRK-N114 | NS ••GRK-N115

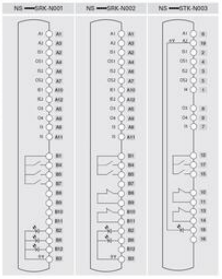


Internal connections (versions with integrated control device unit for 3 devices)

		Connection
Safety switch	A1	Supply input +24 Vdc
	A2	Supply input 0 Vdc
	IS1	Safety input
	OS1	Safety output
	IS2	Safety input
	OS2	Safety output
	IE1	Solenoid activation input for double channel mode [a]
	IE2	Solenoid activation input for double channel mode [a]
	O3	Signalling output, actuator inserted
	O4	Signalling output, actuator inserted and locked
	I3	Actuator programming input / reset
	I5	EDM input [a]
	I4	Solenoid activation input for single channel mode [a]

(a) Available for NS ••S••1•••/•••1••• version only
(b) For versions with double M12 connector, 12-pole
(c) For versions with M23 connector, 19-pole

NS ••GRK-N001 | NS ••GRK-N002 | NS ••GTK-N003

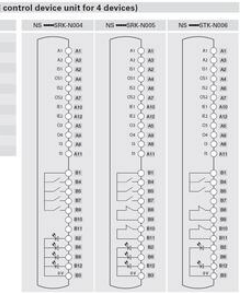


Internal connections (versions with integrated control device unit for 4 devices)

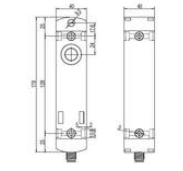
		Connection
Safety switch	A1	Supply input +24 Vdc
	A2	Supply input 0 Vdc
	IS1	Safety input
	OS1	Safety output
	IS2	Safety input
	OS2	Safety output
	IE1	Solenoid activation input for double channel mode
	IE2	Solenoid activation input for double channel mode
	O3	Signalling output, actuator inserted
	O4	Signalling output, actuator inserted and locked
	I3	Actuator programming input / reset
	I5	EDM input (a)

(a) Available for NS ••S••1•••/•••1••• version only

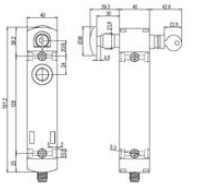
NS ••GRK-N004 | NS ••GRK-N005 | NS ••GTK-N006



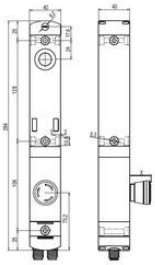
Device
NS ••AZ••MK
NS ••ZZ••MK



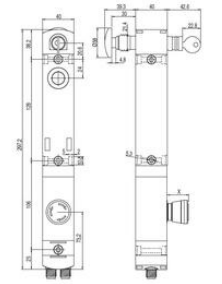
Device
NS ••ST••MK NS ••CE••MK
NS ••SE••MK NS ••TE••MK



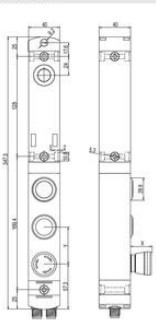
Device
NS ••AZ•S•K-N•••
NS ••ZZ•S•K-N•••



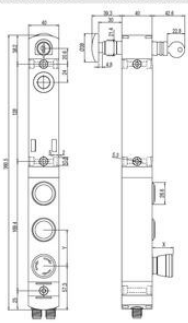
Device
NS ••ST•S•K-N••• NS ••CE•S•K-N•••
NS ••SE•S•K-N••• NS ••TE•S•K-N•••



Device
NS ••AZ•S•K-N•••
NS ••ZZ•S•K-N•••



Device
NS ••ST•S•K-N••• NS ••CE•S•K-N•••
NS ••SE•S•K-N••• NS ••TE•S•K-N•••



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