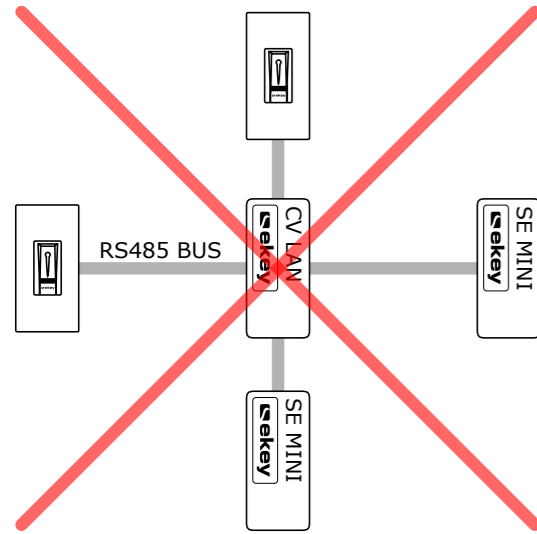
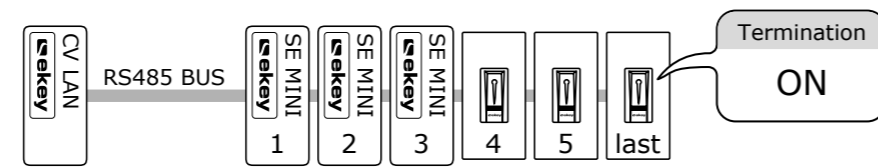


General information:

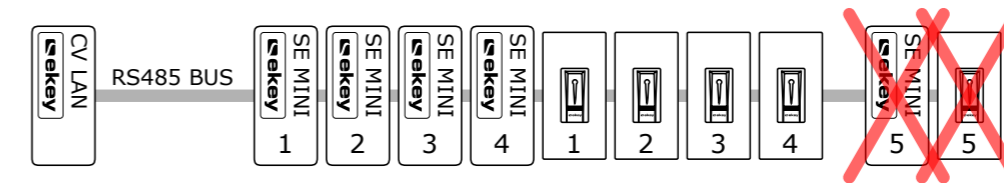
⚠ No star topology!



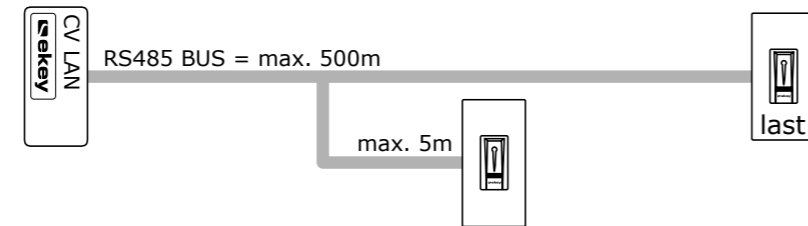
⚠ Switch the termination of the last device in the RS485 bus line to "ON"



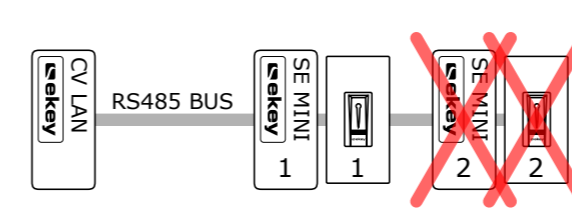
⚠ Maximum 4 FS [S and M] and 4 other devices in the RS485 bus segment



⚠ Mind the maximum length of the RS485 bus segment

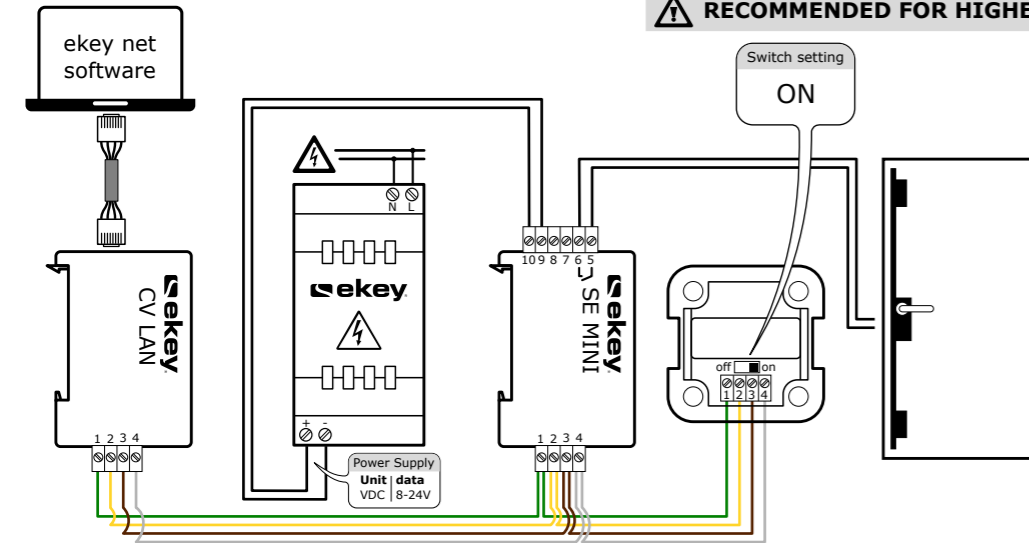


⚠ Maximum 1 FS [L] and 1 control panel in the RS485 bus segment



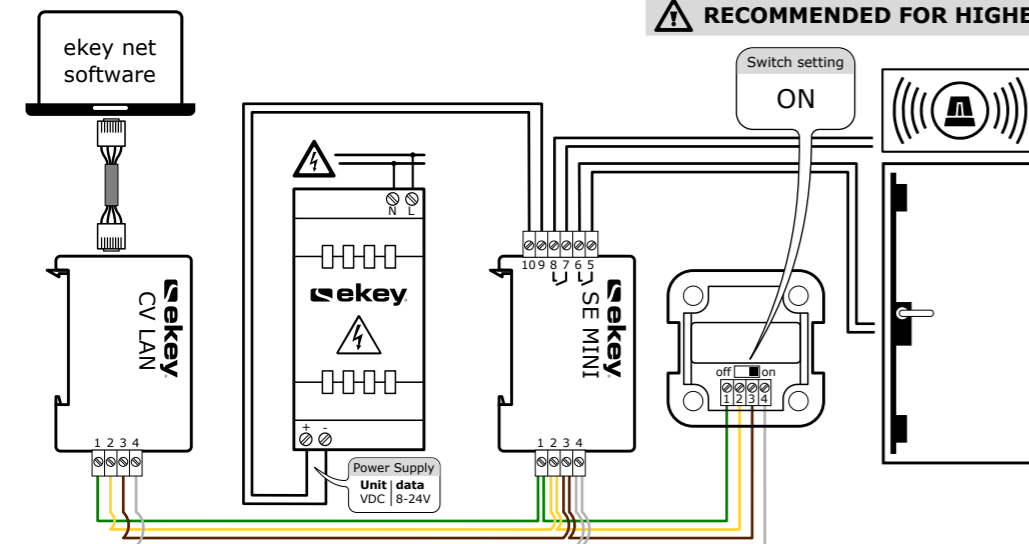
1 Wiring example: 1 ekey net CV LAN + 1 ekey net CP mini 1 + 1 ekey net FS [S/M/L]

⚠ RECOMMENDED FOR HIGHEST SYSTEM RELIABILITY!



2 Wiring example: 1 ekey net CV LAN + 1 ekey net CP mini 2 + 1 ekey net FS [S/M/L]

⚠ RECOMMENDED FOR HIGHEST SYSTEM RELIABILITY!

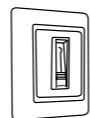


Terminal configuration

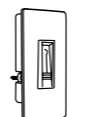
ekey net finger scanner



PIN	DESCRIPTION
1	RS485 (Clamp 1)
2	RS485 (Clamp 2)
3	Power supply FS
4	Power supply FS
5	Relay C (common)
6	Relay NO (normally open)
7	Input - door status
8	Input - door status

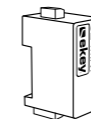


PIN	DESCRIPTION
1	RS485 (Clamp 1)
2	RS485 (Clamp 2)
3	Power supply FS
4	Power supply FS
5	Relay C (common)
6	Relay NO (normally open)
7	Input - door status
8	Input - door status

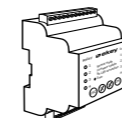


PIN	DESCRIPTION
4	RS485 (Clamp 1) - green
5	RS485 (Clamp 2) - yellow
7	Power supply FS - brown
8	Power supply FS - white

ekey net control panel



PIN	DESCRIPTION
1	RS485 (Clamp 1)
2	RS485 (Clamp 2)
3	Power supply FS
4	Power supply FS
5	Relay 1 C (common)
6	Relay 1 NO (normally open)
7	Input - door status / Relay 2 C
8	Input - door status / Relay 2 NO
9	-VCC
10	+VCC (8-24V DC)



PIN	DESCRIPTION
1	RS485 (Clamp 1)
2	RS485 (Clamp 2)
3	Power supply FS
4	Power supply FS
5	+VCC (8-24V DC)
6	-VCC
7	Relay 1 C (common)
8	Relay 1 NO (normally open)
9	Relay 1 NC (normally closed)
10	Input 1/2 common
11	Input 1 - door status
12	Input 2 - door status
13	Relay 2 C (common)
14	Relay 2 NO (normally open)
15	Relay 2 NC (normally closed)
16	Relay 3 C (common)
17	Relay 3 NO (normally open)
18	Relay 3 NC (normally closed)
19	Relay 4 C (common)
20	Relay 4 NO (normally open)
21	Relay 4 NC (normally closed)
22	Input 3/4 common
23	Input 3 - door status
24	Input 4 - door status



VERKABELUNGSPLAN
WIRING DIAGRAM
SCHÉMA ZAPOJENÍ
SCHÉMA DE CÂBLAGE
SCHEMA DI CABLAGGIO
BEKABELINGSPLAN
SCHÉMA ZAPOJENIA
NAČRT OŽIČENJA

ID79/483: Version: 6, 05.10.2015
<http://www.ekey.net/downloads>

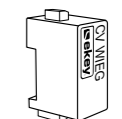


CABLE RECOMMENDATION
J-Y(ST)Y with 0.6 or 0.8mm²

ekey net converter



PIN	DESCRIPTION
1	RS485 (Clamp 1)
2	RS485 (Clamp 2)
3	Power supply FS
4	Power supply FS
IP-address (default settings) 192.168.1.250	

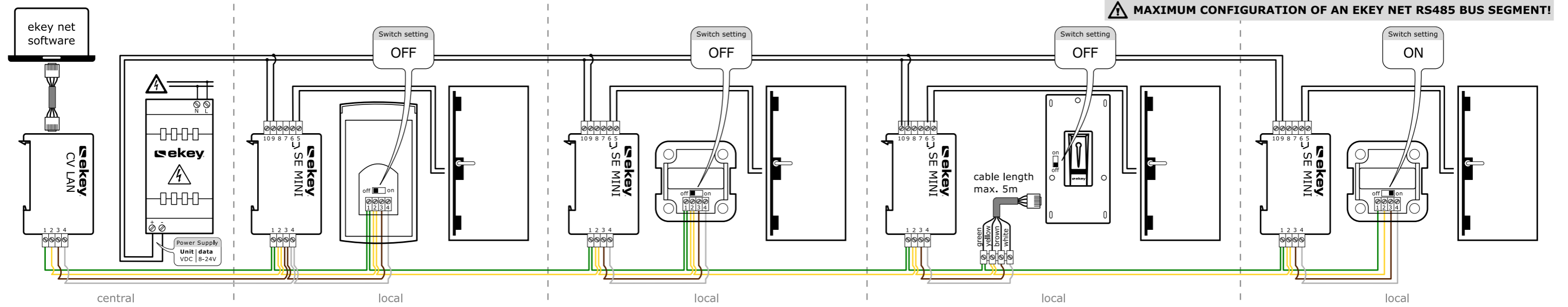


PIN	DESCRIPTION
1	RS485 (Clamp 1)
2	RS485 (Clamp 2)
3	Power supply FS
4	Power supply FS
5	WIEGAND D0
6	WIEGAND D1
7	GND
8	unused
9	unused
10	unused

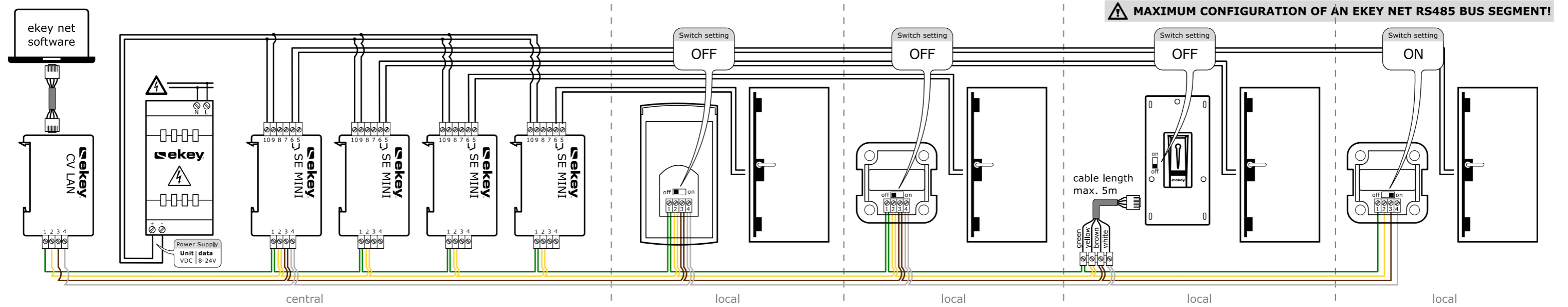


PIN	DESCRIPTION
X1	1 Input - blue
	2 Input - grey
	3 RS485 (Clamp 2) - yellow
	4 RS485 (Clamp 1) - green
	5 -VCC - brown
	6 +VCC (8-24V DC) - white
	7 Relay 2 C (common) - pink
	8 Relay 2 NO /NC - red
X3	1 RS485 (Clamp 2) - yellow
	2 RS485 (Clamp 1) - green
	3 Power supply FS - brown
	4 Power supply FS - white
X6	1 Relay 1 +VCC / C
	2 Relay 1 GND / unused
	3 Relay 1 \overline{L} / NO

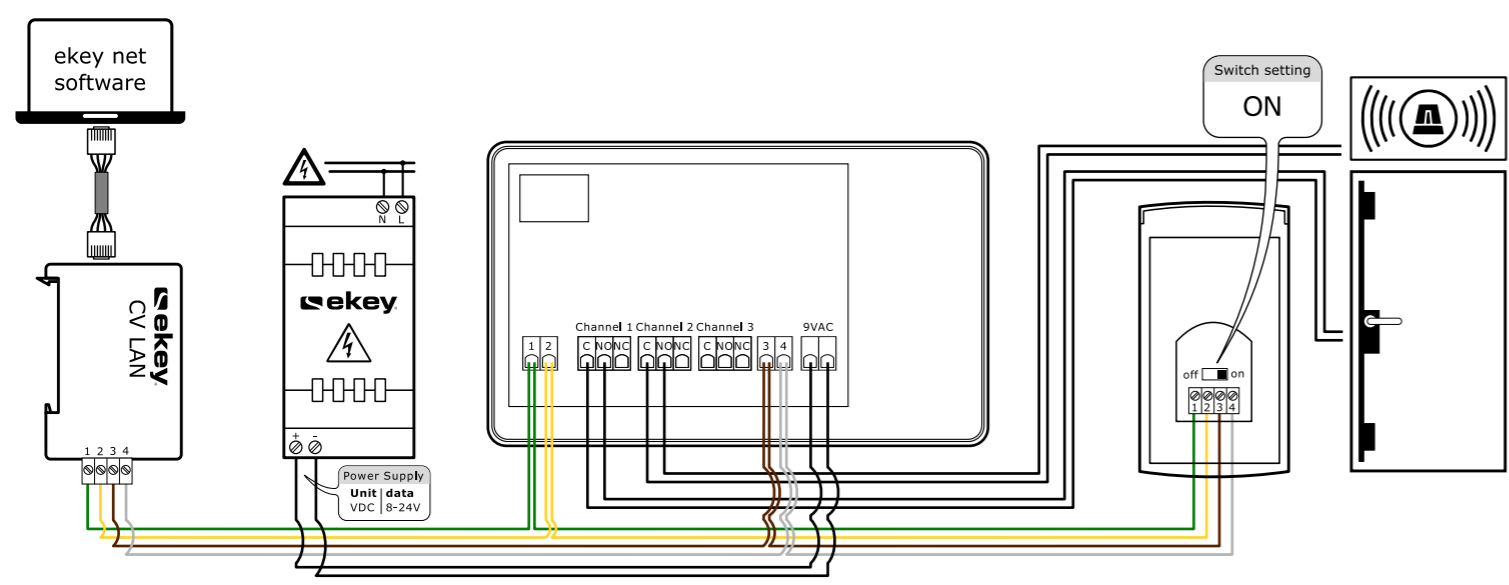
3a Wiring example: 1 ekey net CV LAN + 4 ekey net CP mini 1 + 4 ekey net FS [S/M]



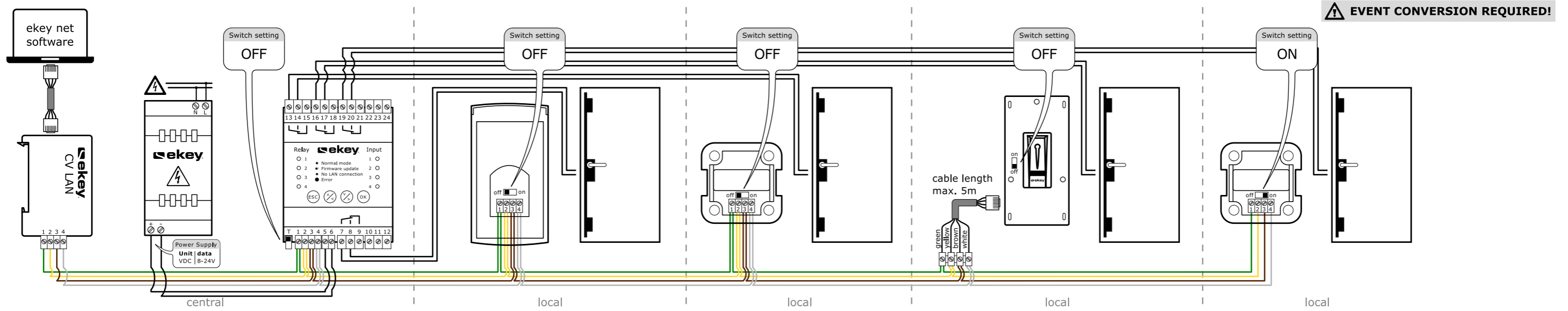
3b Wiring example: 1 ekey net CV LAN + 4 ekey net CP mini 1 + 4 ekey net FS [S/M]



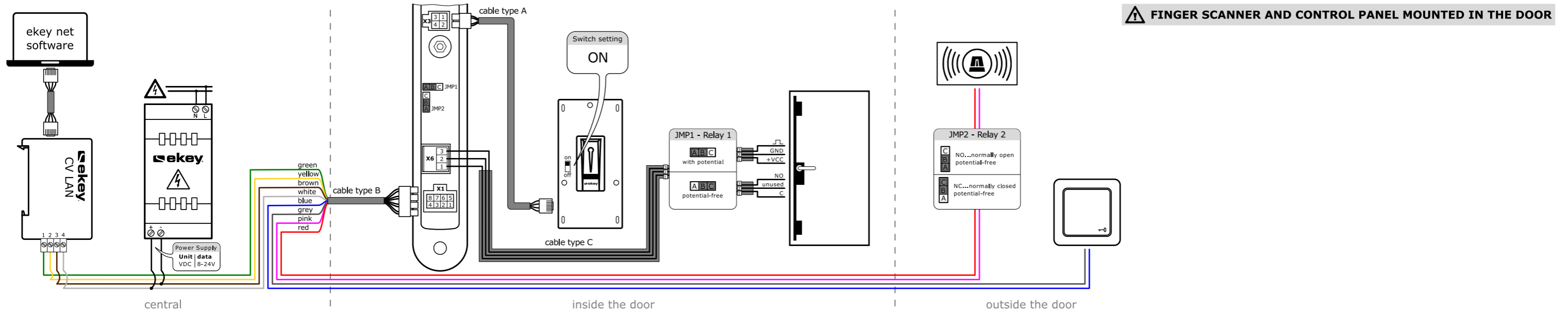
4 Wiring example: 1 ekey net CV LAN + 1 ekey net CP WM 3 + 1 ekey net FS [S/M/L]



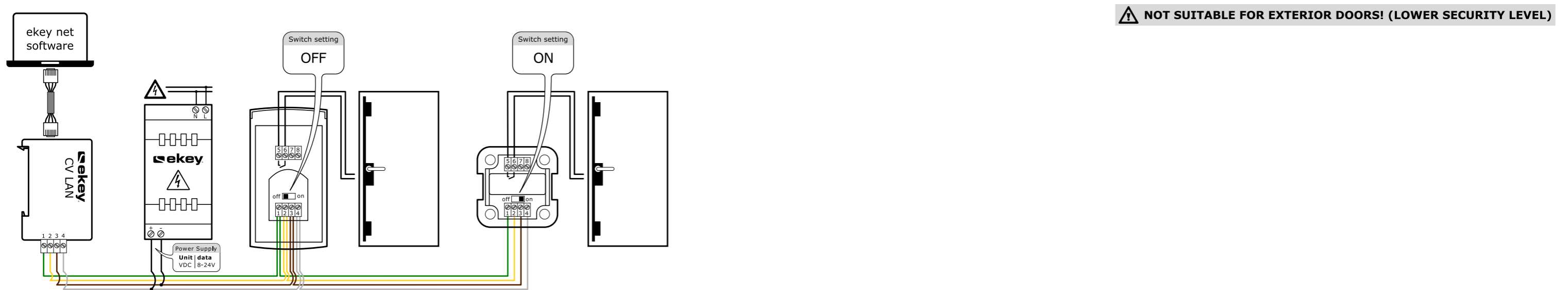
5 Wiring example: 1 ekey net CV LAN + 1 ekey net CP DRM 4 + 4 ekey net FS [S/M]



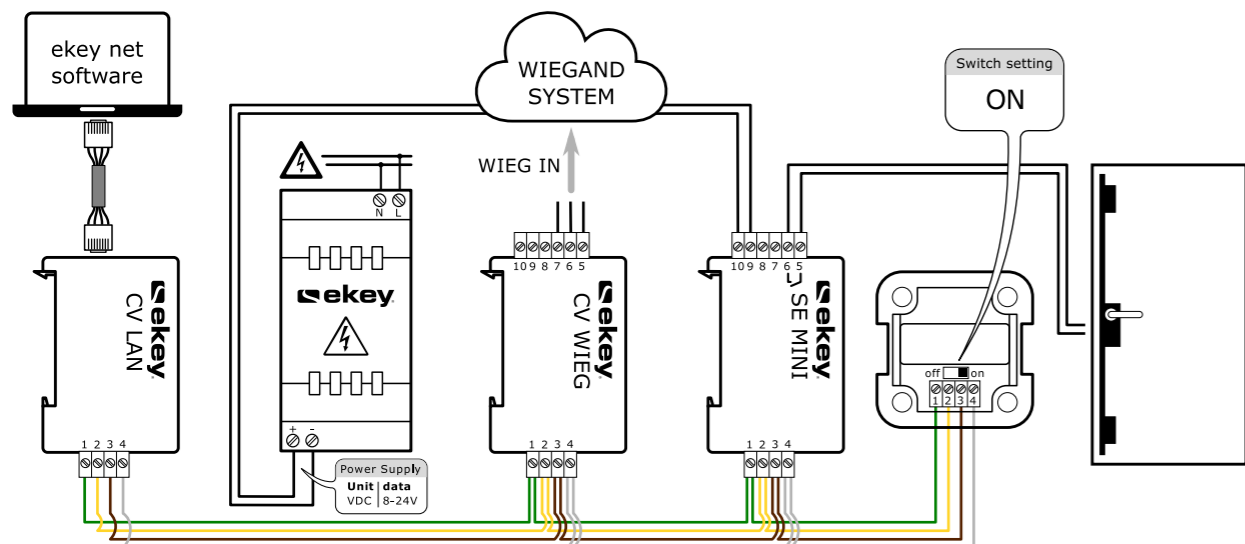
6 Wiring example: 1 ekey net CV LAN + 1 ekey net CP IN 2 + 1 ekey net finger scanner [S/M/L]



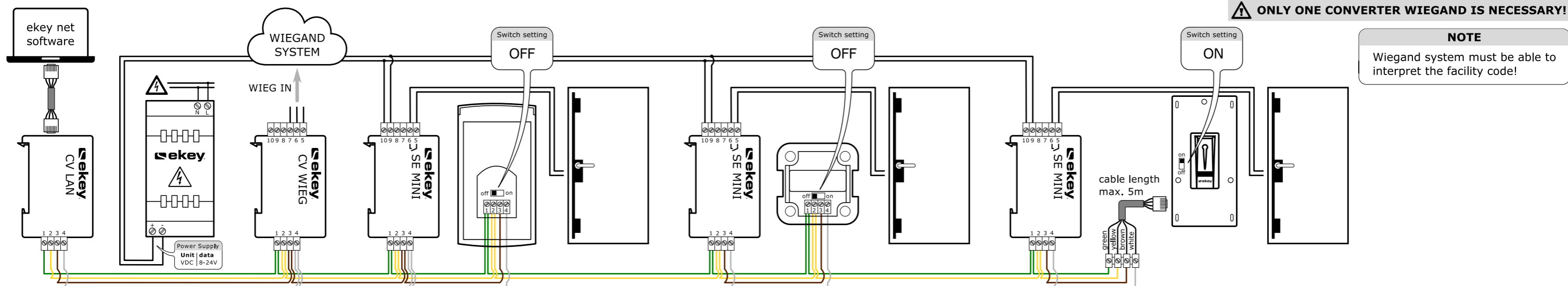
7 Wiring example INDOOR: 1 ekey net CV LAN + 2 ekey net FS REL [S/M]



8 Wiring example WIEGAND: 1 ekey net CV LAN + 1 ekey net CV WIEG + 1 ekey net CP mini 1 + 1 ekey net FS [S/M]



9 Wiring example WIEGAND: 1 ekey net CV LAN + 1 ekey net CV WIEG + 3 ekey net CP mini 1 + 3 ekey net FS [S/M]



10 Wiring example WIEGAND: 1 ekey net CV LAN + 1 ekey net CV WIEG + 1 ekey net FS [S/M/L]

