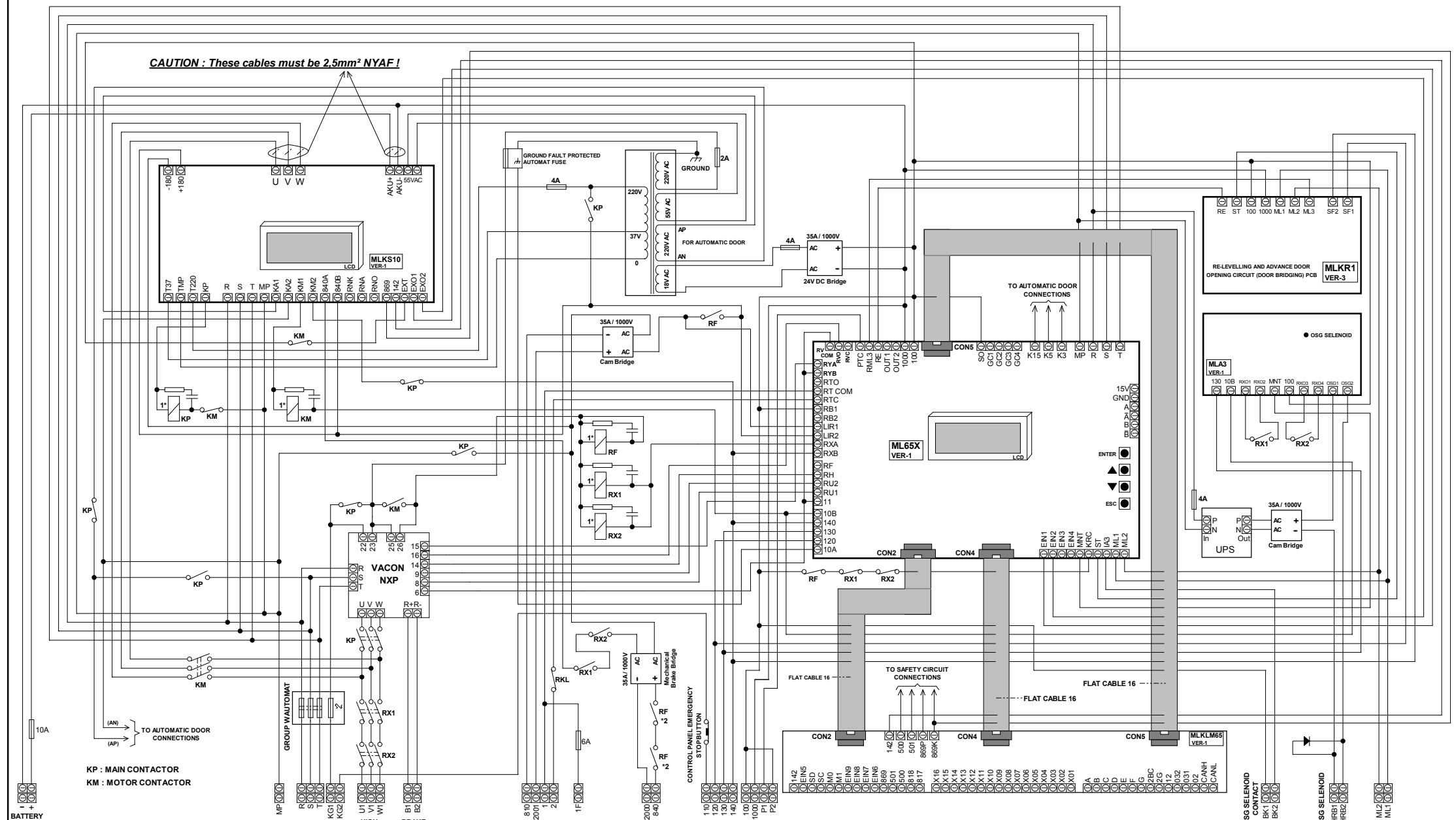


CAUTION : These cables must be 2.5mm² NYAF !

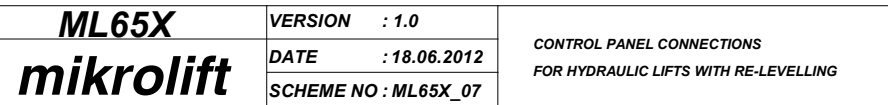


1* Contactors must be of AC-3 class with 220VAC coils !
 RC filters must connected across the coils of contactors !

2* These contacts must be the main contacts of RU1 and RU2 contactors !

ML65X mikrolift	VERSION : 1.0	CONTROL PANEL CONNECTIONS WITH VACON DRIVE AND MLKS10 EMERGENCY RESCUE SYSTEM (FOR SINGLE PHASE AUTOMATIC DOOR MOTOR) (FOR 190V OSG SELENOID)
	DATE : 18.06.2012	
	SCHEME NO : ML65X_01_190	

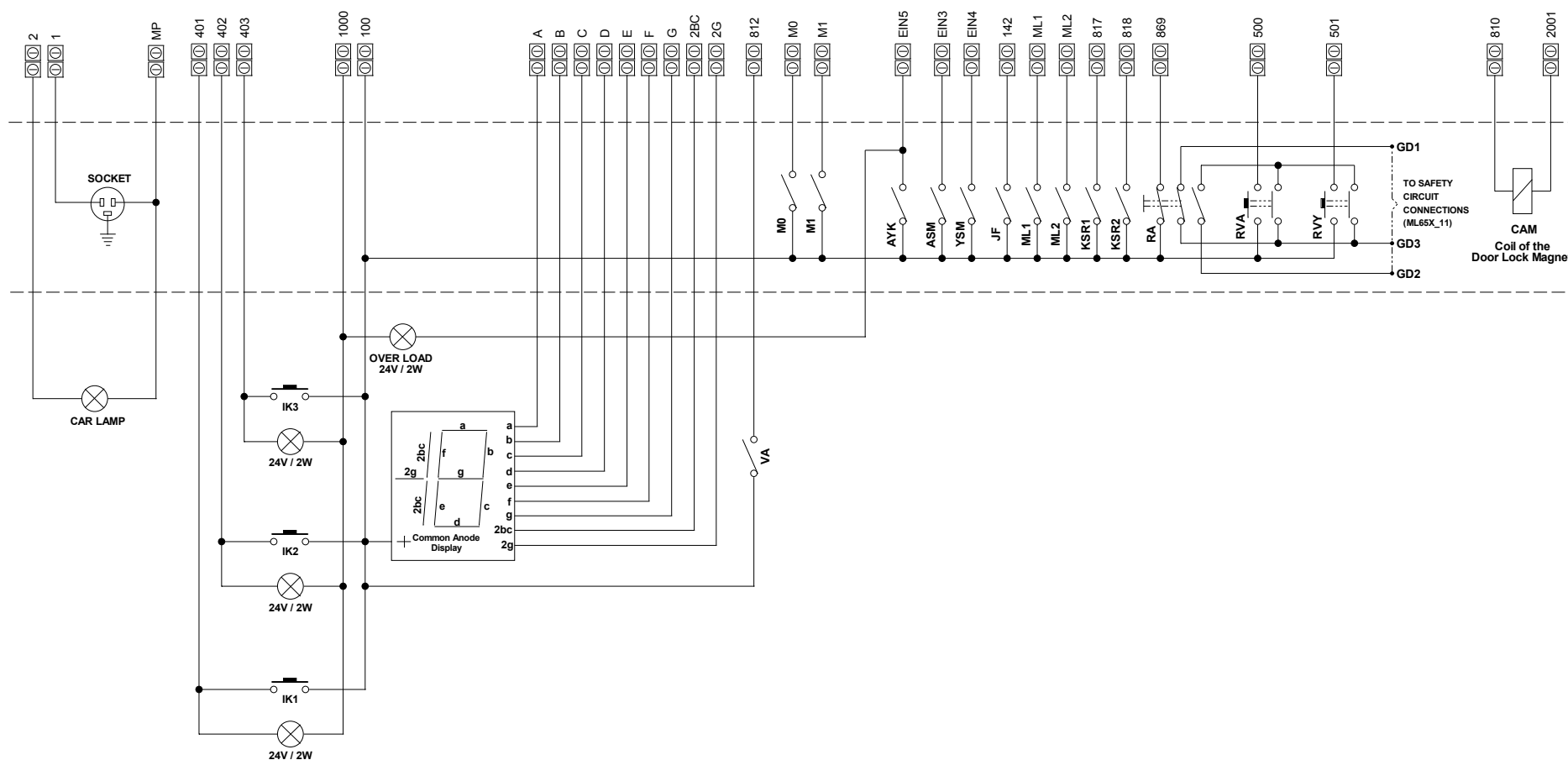
RC filters must be connected across the coils of contactors !



CONTROL PANEL

TOP OF THE CAR

INSIDE THE CAR



IKx : CAR CALL BUTTONS AND LAMPS

M0 : PULSE BI-STABLE SWITCH

M1 : PULSE BI-STABLE SWITCH (In systems that has speed more than 1m/s, if parameter value is changed, it must be used with M0)

AYK : OVERLOAD CONTACT

JF : LEVELLING BI-STABLE SWITCH

KSR1 : DOWN LIMIT BI-STABLE SWITCH

KSR2 : UP LIMIT BI-STABLE SWITCH

RA : INSPECTION CONTACT

RVA : DOWN INSPECTION BUTTON

RVY : UP INSPECTION BUTTON

YSM : UP RE-LEVELLING MONO-STABLE SWITCH

ASM : DOWN RE-LEVELLING MONO-STABLE SWITCH

ML1 : DOOR ZONE MONO-STABLE SWITCH

ML2 : DOOR ZONE MONO-STABLE SWITCH

ML65X

mikrolift

VERSION : 1.0

DATE : 18.06.2012

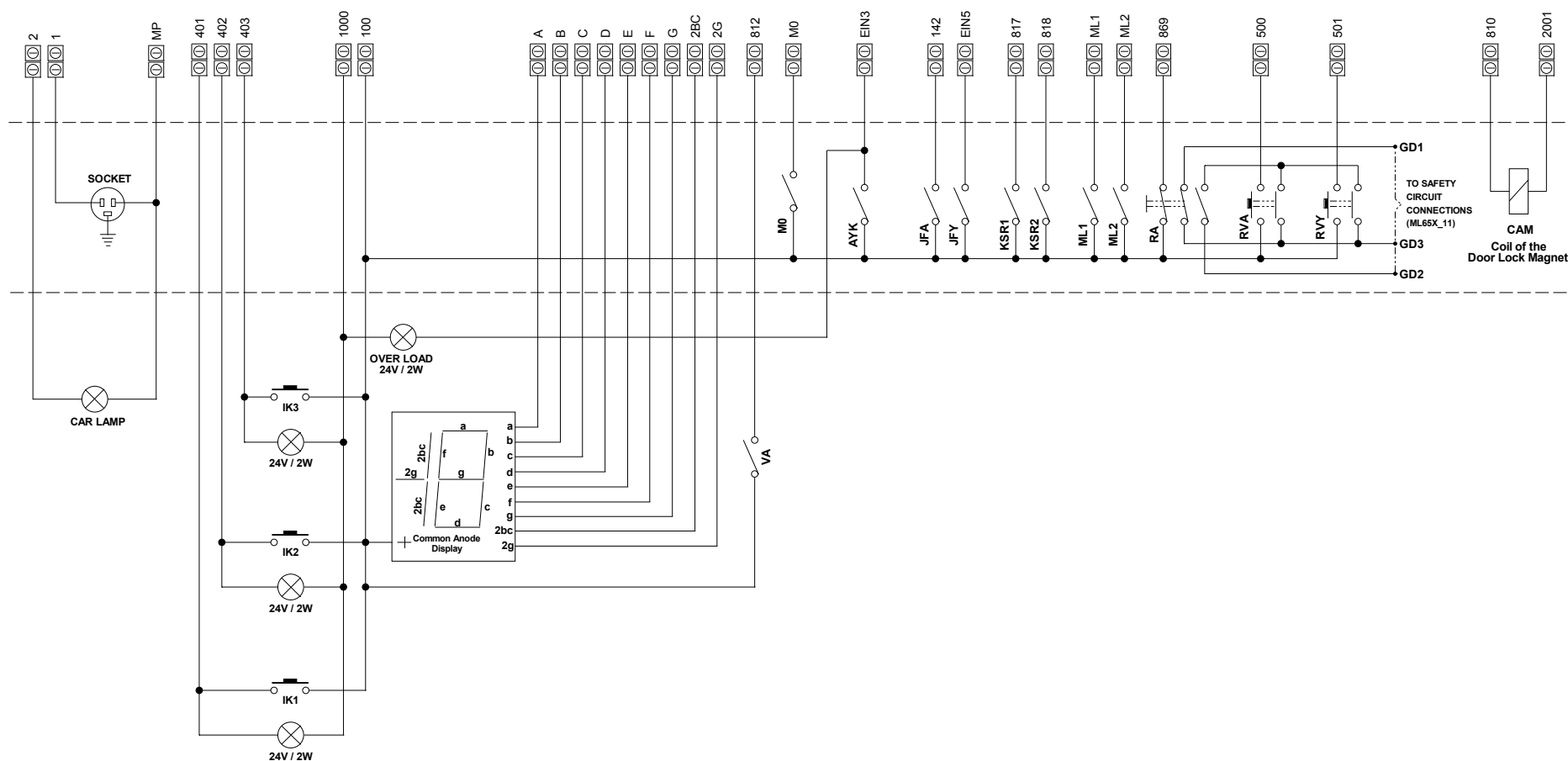
SCHEME NO : ML65X_08

CAR WIRING

CONTROL PANEL

TOP OF THE CAR

INSIDE THE CAR



- IKx : CAR CALL BUTTONS AND LAMPS
M0 : PULSE BI-STABLE SWITCH
AVK : OVERLOAD CONTACT
JFA : DOWN LEVELLING BI-STABLE SWITCH
JFY : UP LEVELLING BI-STABLE SWITCH
KSR1 : DOWN LIMIT BI-STABLE SWITCH
KSR2 : UP LIMIT BI-STABLE SWITCH
RA : INSPECTION CONTACT
RVA : DOWN INSPECTION BUTTON
RVY : UP INSPECTION BUTTON
ML1 : DOOR ZONE MONO-STABLE SWITCH
ML2 : DOOR ZONE MONO-STABLE SWITCH

ML65X
mikrolift

VERSION : 1.0
DATE : 18.06.2012
SCHEME NO : ML65X_09

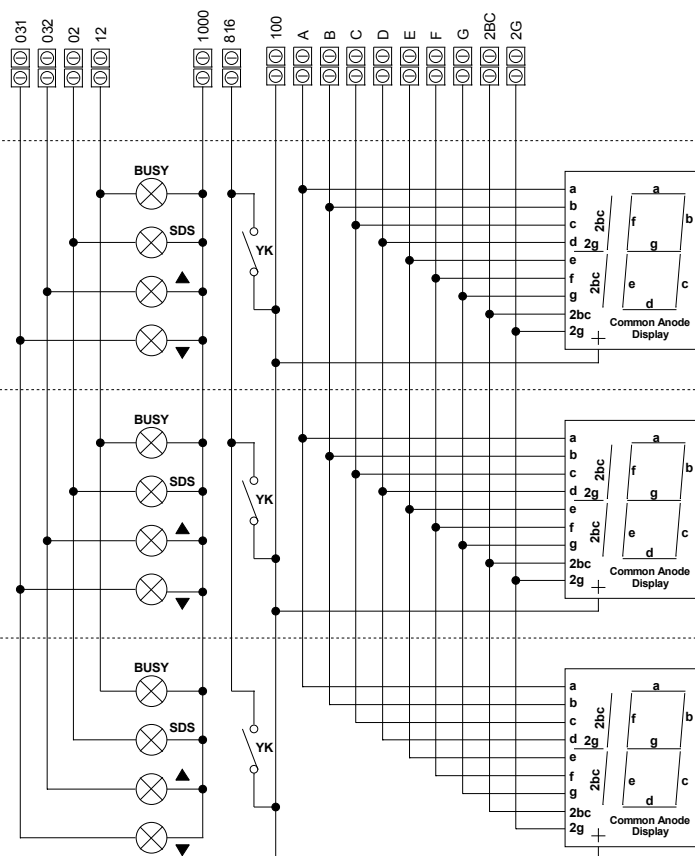
CAR WIRING FOR HYDRAULIC LIFTS

CONTROL PANEL

FLOOR 2

FLOOR 1

FLOOR 0

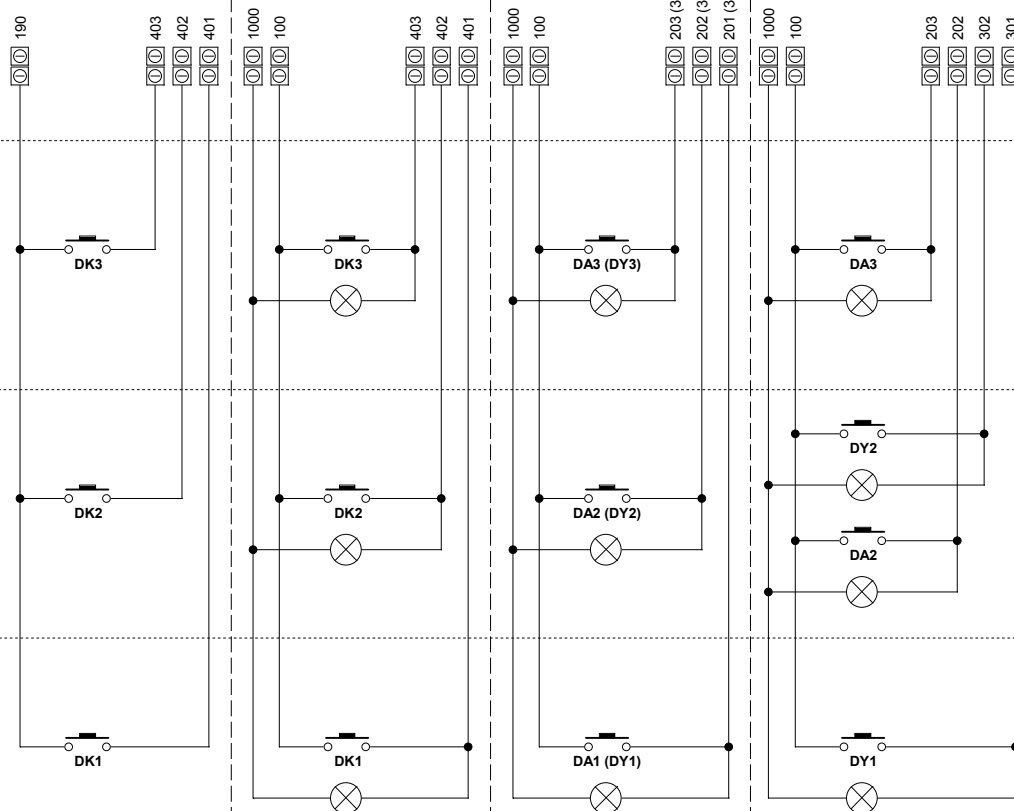


UNIVERSAL TYPE

UP/DOWN MIX. COLLECTIVE

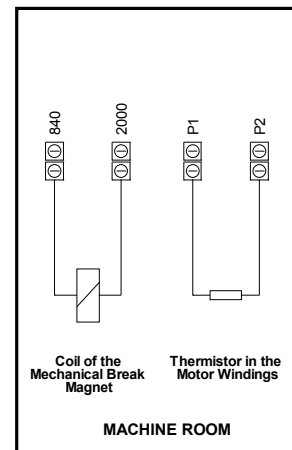
UP (DOWN) COLLECTIVE

2 BUTTONS COLLECTIVE



CALL CONNECTIONS

- DKx : CALL BUTTONS AND LAMPS
 DAx : DOWN CALL BUTTONS AND LAMPS
 DYx : UP CALL BUTTONS AND LAMPS
 SDS : OUT OF SERVICE LAMP
 YK : FIRE CONTACT
 : 24 VOLT - MAX 2 WATT LAMP

**ML65X****mikrolift**

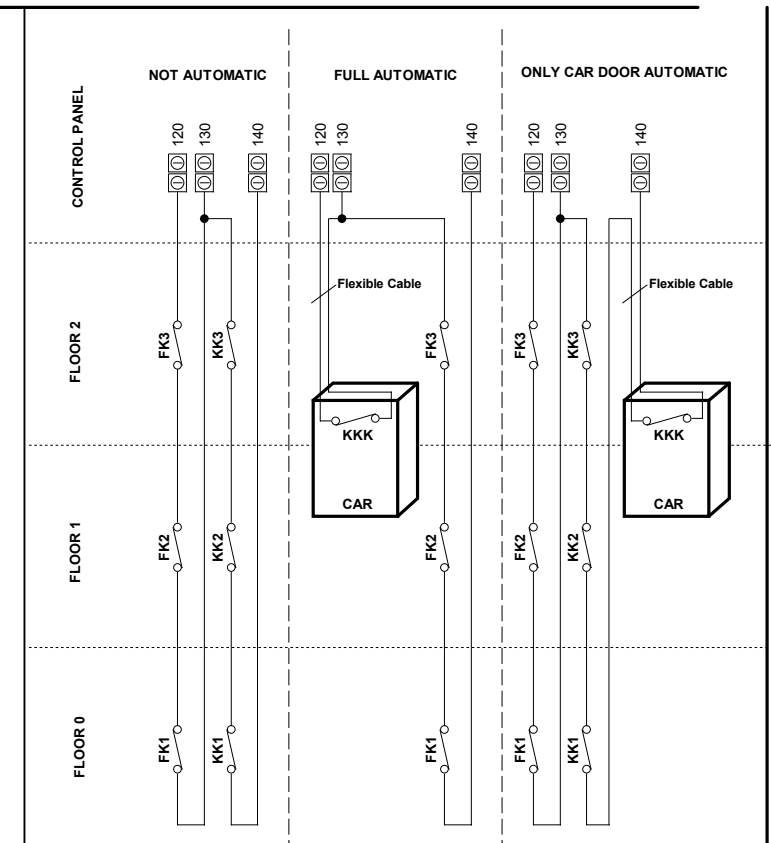
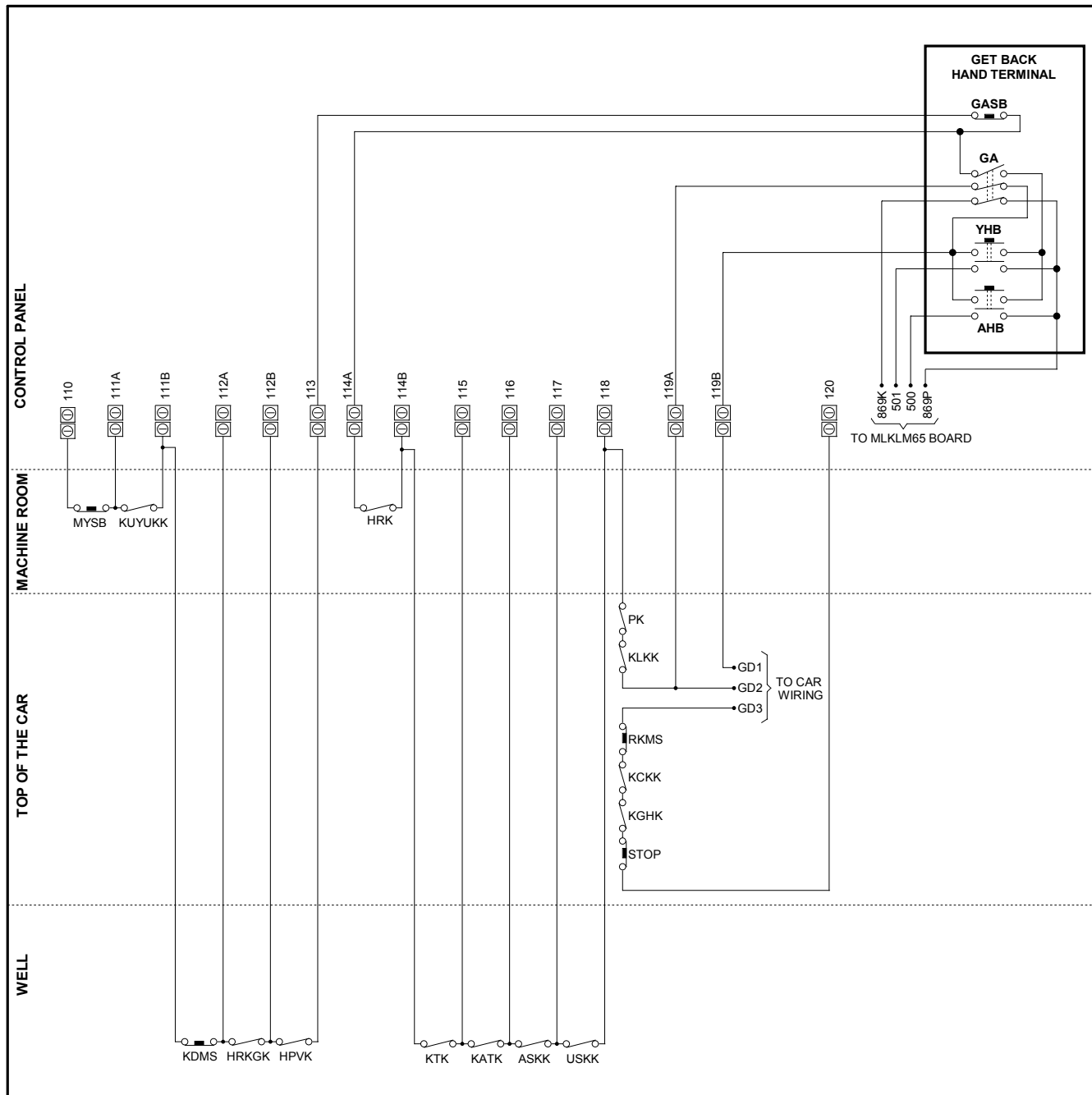
VERSION : 1.0

DATE : 18.06.2012

SCHEME NO : ML65X_10

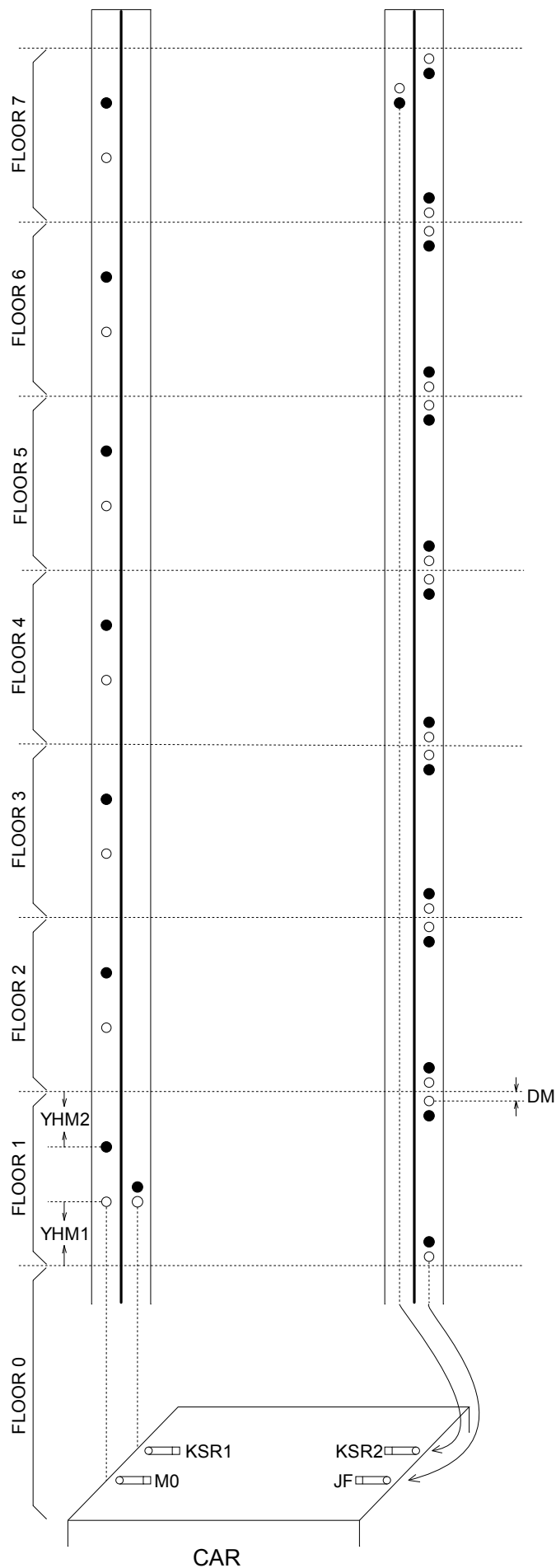
FLOOR WIRING

MECHANICAL BREAK AND THERMISTOR CONNECTIONS



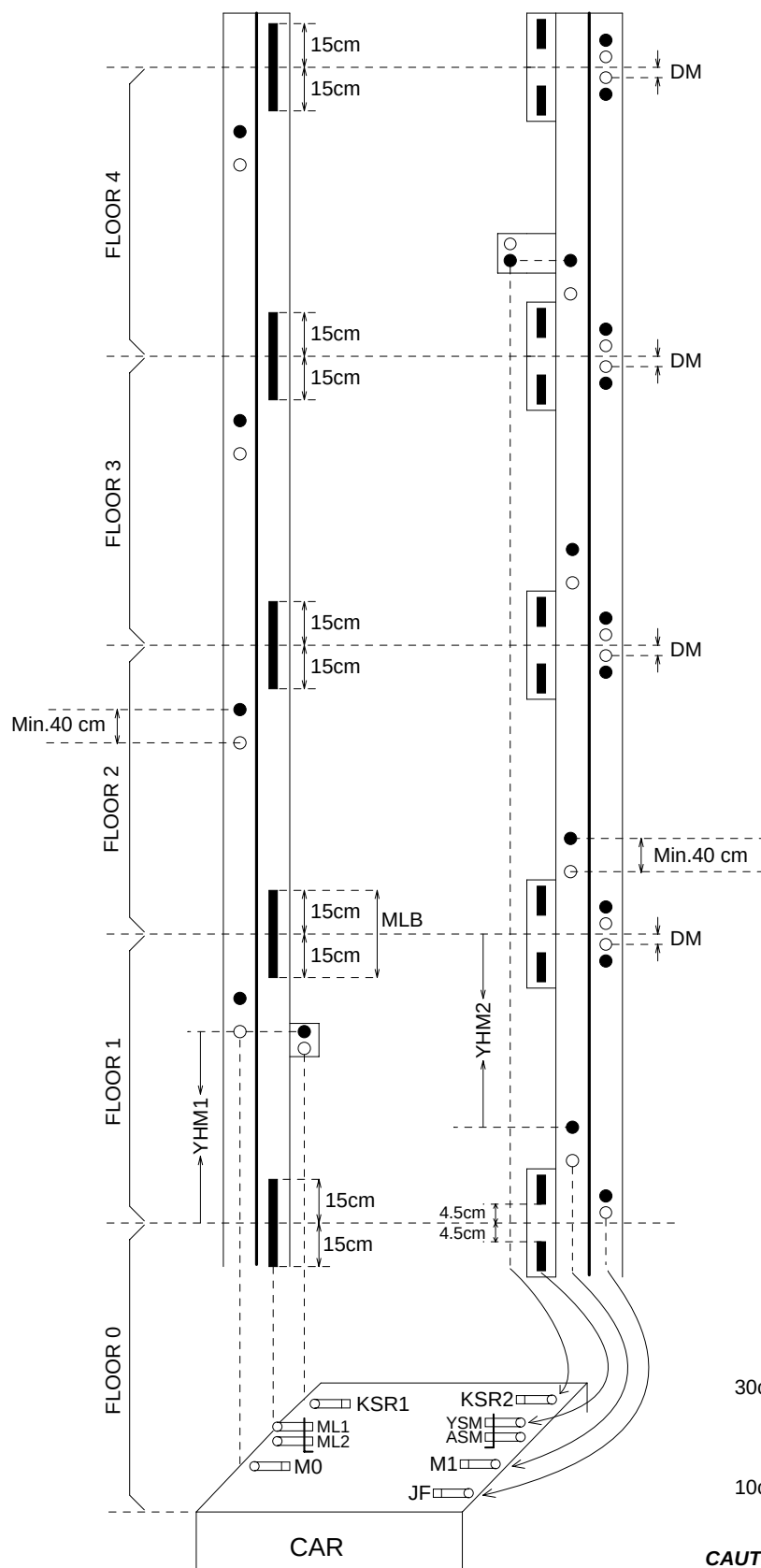
- MYSB : TRACTION GEAR STOP BUTTON
 KUYUKK : WELL ACCESS CONTACT
 KDMS : PIT EMERGENCY STOP BUTTON
 HRKGK : TENSION WEIGHT CONTACT
 HPVK : HOSE BLOW VALVE CONTACT (FOR HYDRAULIC SYSTEMS)
 HRK : OVERSPEED GOVERNOR CONTACT
 KTK : BUFFER CONTACT
 KATK : COUNTER WEIGHT BUFFER CONTACT
 ASKK : PIT END LIMIT SWITCH CONTACT
 USKK : ULTIMATE LIMIT SWITCH CONTACT
 PK : OVERSPEED DETECTION CONTACT
 KLKK : CAR LIMIT SWITCH CONTACT
 RKMS : INSPECTION EMERGENCY STOP BUTTON
 KCKK : CAR TOP COVER CONTACT
 KGHK : CAR SLACK ROPE CONTACT
 STOP : CAR STOP BUTTON
 GASB : GET BACK EMERGENCY STOP BUTTON
 GA : GET BACK CONTACT
 YHB : UP MOVEMENT BUTTON
 AHB : DOWN MOVEMENT BUTTON
- FKx : DOOR SOCKET SWITCHES
 KKx : DOOR LOCK SWITCHES
 KKK : CAR DOOR SWITCH

ML65X mikrolift	VERSION : 1.0	SAFETY CIRCUIT CONNECTIONS
	DATE : 18.06.2012	
	SCHEME NO : ML65X_11	



- M0 : PULSE BI-STABLE SWITCH
 JF : LEVELLING BI-STABLE SWITCH
 KSR1 : DOWN LIMIT BI-STABLE SWITCH
 KSR2 : UP LIMIT BI-STABLE SWITCH
 DM : STOPPING DISTANCE
 YHM1 : LOW SPEED DISTANCE IN DOWN DIRECTION
 YHM2 : LOW SPEED DISTANCE IN UP DIRECTION
- : BI-STABLE SWITCH IS CLOSED
 ○ : BI-STABLE SWITCH IS OPEN

ML65X mikrolift	VERSION : 1.0	PULSE SYSTEM MAGNET CONFIGURATION FOR TWO SPEED SYSTEM
	DATE : 18.06.2012	
	SCHEME NO : ML65X_12	



- M1 : UP DIRECTION PULSE BI-STABLE SWITCH
 M0 : DOWN DIRECTION PULSE BI-STABLE SWITCH
 JF : LEVELLING BI-STABLE SWITCH
 KSR1 : DOWN LIMIT BI-STABLE SWITCH
 KSR2 : UP LIMIT BI-STABLE SWITCH
 ML1 : DOOR ZONE MONO-STABLE SWITCH
 ML2 : DOOR ZONE MONO-STABLE SWITCH
 DM : STOPPING DISTANCE
 YHM1 : LOW SPEED DISTANCE IN DOWN DIRECTION
 YHM2 : LOW SPEED DISTANCE IN UP DIRECTION
 MLB : DOOR ZONE
 YSM : UP RE-LEVELLING MONO-STABLE SWITCH
 ASM : DOWN RE-LEVELLING MONO-STABLE SWITCH

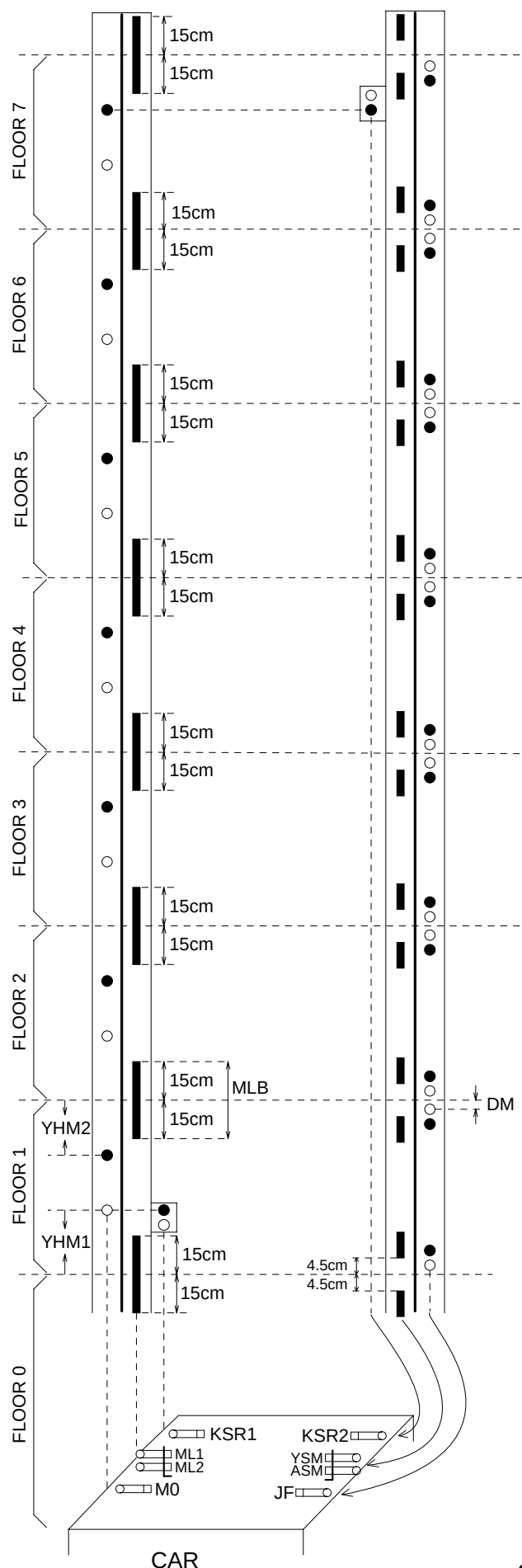
- : BI-STABLE SWITCH IS CLOSED
 ○ : BI-STABLE SWITCH IS OPEN

30cm : RIBBON MAGNET FOR DOOR ZONE

10cm : RIBBON MAGNET FOR RE-LEVELLING ZONE

CAUTION ! ML1,ML2,ASM,YSM Mono-Stable switches must be suitable to 14.1.2.5 article at EN81-1 and EN81-2 standards.

ML65X mikrolift	VERSION : 1.0	M0 / M1 PULSE SYSTEM FOR ELECTRICAL LIFTS WITH ADVANCE DOOR OPENING OR RE-LEVELLING
	DATE : 18.09.2012	
	HEME NO : ML65X_13	



- M0 : PULSE BI-STABLE SWITCH
 JF : LEVELLING BI-STABLE SWITCH
 KSR1 : DOWN LIMIT BI-STABLE SWITCH
 KSR2 : UP LIMIT BI-STABLE SWITCH
 ML1 : DOOR ZONE MONO-STABLE SWITCH
 ML2 : DOOR ZONE MONO-STABLE SWITCH
 DM : STOPPING DISTANCE
 YHM1 : LOW SPEED DISTANCE IN DOWN DIRECTION
 YHM2 : LOW SPEED DISTANCE IN UP DIRECTION
 MLB : DOOR ZONE
 YSM : UP RE-LEVELLING MONO-STABLE SWITCH
 ASM : DOWN RE-LEVELLING MONO-STABLE SWITCH

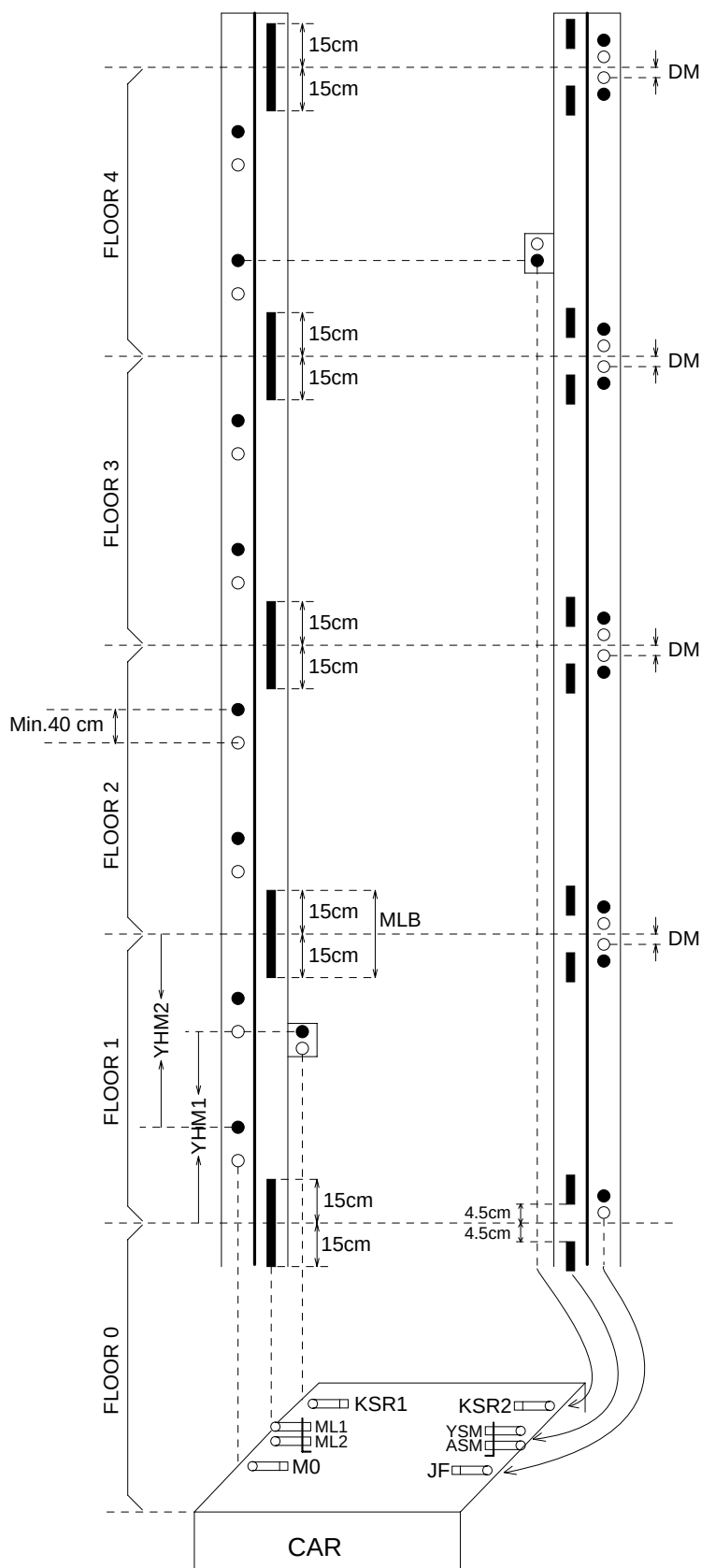
- : BI-STABLE SWITCH IS CLOSED
 ○ : BI-STABLE SWITCH IS OPEN

30cm : RIBBON MAGNET FOR DOOR ZONE

10cm : RIBBON MAGNET FOR RE-LEVELLING ZONE

CAUTION ! ML1,ML2,ASM,YSM Mono-Stable switches must be suitable to 14.1.2.5 article at EN81-1 and EN81-2 standards.

ML65X mikrolift	VERSION : 1.0	2 MAGNETS M0 PULSE SYSTEM FOR ELECTRICAL LIFTS WITH ADVANCE DOOR OPENING OR RE-LEVELLING
	DATE : 18.09.2012	
	SCHEME NO : ML65X_14	



- M0 : PULSE BI-STABLE SWITCH
 JF : LEVELLING BI-STABLE SWITCH
 KSR1 : DOWN LIMIT BI-STABLE SWITCH
 KSR2 : UP LIMIT BI-STABLE SWITCH
 ML1 : DOOR ZONE MONO-STABLE SWITCH
 ML2 : DOOR ZONE MONO-STABLE SWITCH
 DM : STOPPING DISTANCE
 YHM1 : LOW SPEED DISTANCE IN DOWN DIRECTION
 YHM2 : LOW SPEED DISTANCE IN UP DIRECTION
 MLB : DOOR ZONE
 YSM : UP RE-LEVELLING MONO-STABLE SWITCH
 ASM : DOWN RE-LEVELLING MONO-STABLE SWITCH

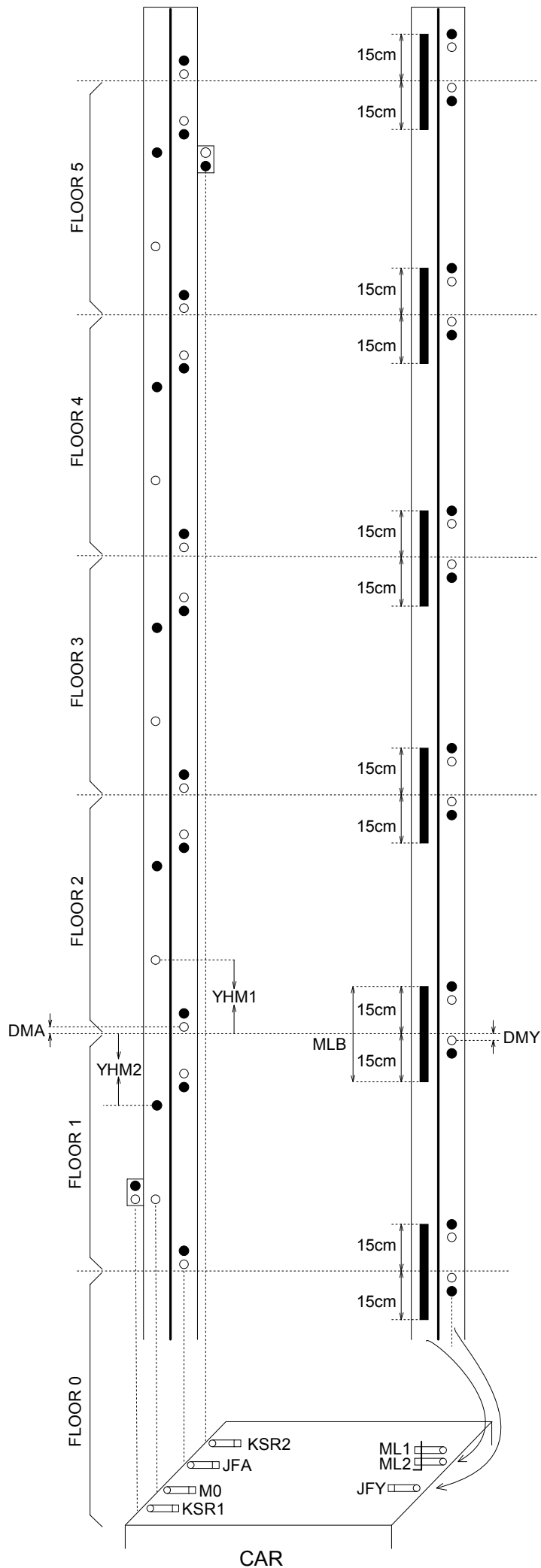
- : BI-STABLE SWITCH IS CLOSED
 ○ : BI-STABLE SWITCH IS OPEN

30cm
 ┌───────────┐
 │ RIBBON MAGNET FOR DOOR ZONE │
 └───────────┘

10cm
 ┌─────────┐
 │ RIBBON MAGNET FOR RE-LEVELLING ZONE │
 └─────────┘

CAUTION ! ML1,ML2,ASM,YSM Mono-Stable switches must be suitable to 14.1.2.5 article at EN81-1 and EN81-2 standards.

ML65X mikrolift	VERSION : 1.0	4 MAGNETS M0 PULSE SYSTEM FOR ELECTRICAL LIFTS WITH ADVANCE DOOR OPENING OR RE-LEVELLING
	DATE : 18.09.2012	
	SCHEME NO : ML65X_15	



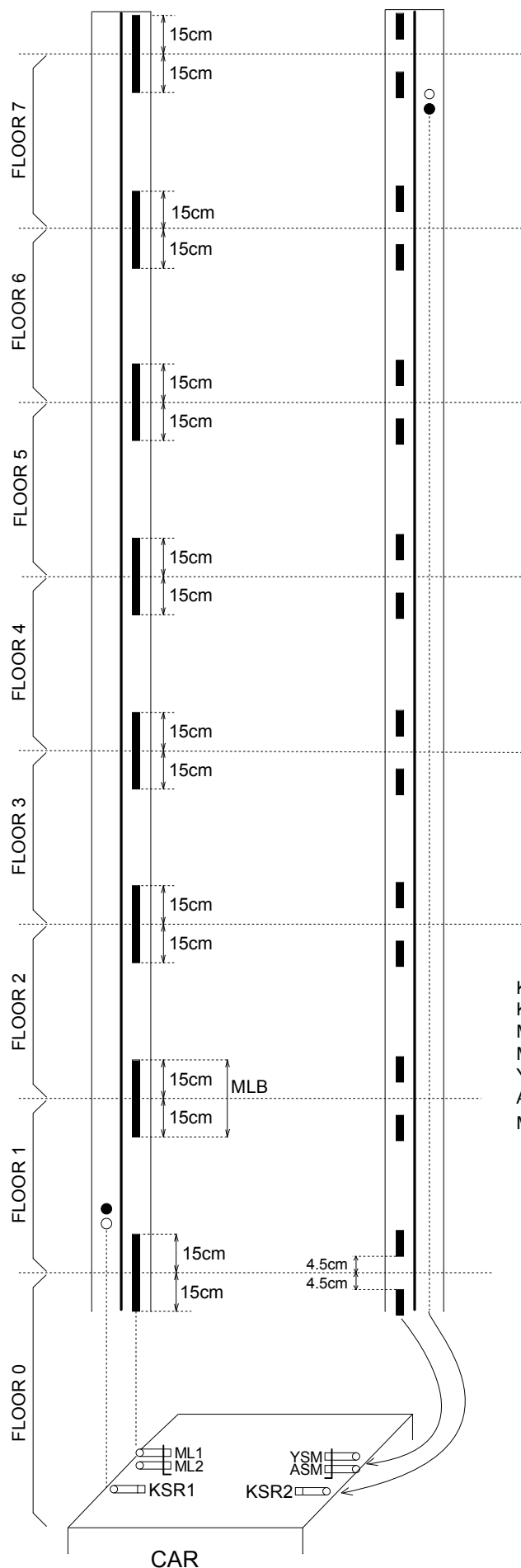
- M0 : PULSE BI-STABLE SWITCH
 JFA : LEVelling BI-STABLE SWITCH IN DOWN DIRECTION
 JFY : LEVelling BI-STABLE SWITCH IN UP DIRECTION
 KSR1 : DOWN LIMIT BI-STABLE SWITCH
 KSR2 : UP LIMIT BI-STABLE SWITCH
 ML1 : DOOR ZONE MONO-STABLE SWITCH
 ML2 : DOOR ZONE MONO-STABLE SWITCH
 DMA : STOPPING DISTANCE IN DOWN DIRECTION
 DMY : STOPPING DISTANCE IN UP DIRECTION
 YHM1 : LOW SPEED DISTANCE IN DOWN DIRECTION
 YHM2 : LOW SPEED DISTANCE IN UP DIRECTION
 MLB : DOOR ZONE

- : BI-STABLE SWITCH IS CLOSED
 ○ : BI-STABLE SWITCH IS OPEN

30cm
 : RIBBON MAGNET FOR DOOR ZONE

CAUTION! ML1 and ML2 Mono-Stable switches must be suitable to 14.1.2.5 article at EN81-1 and EN81-2 standards.

ML65X mikrolift	VERSION : 1.0	PULSE SYSTEM MAGNET CONFIGURATION FOR HYDRAULIC LIFTS WITH RE-LEVELLING
	DATE : 18.06.2012	
	SCHEME NO : ML65X_16	



KSR1 : DOWN LIMIT BI-STABLE SWITCH
 KSR2 : UP LIMIT BI-STABLE SWITCH
 ML1 : DOOR ZONE MONO-STABLE SWITCH
 ML2 : DOOR ZONE MONO-STABLE SWITCH
 YSM : UP DIRECTION LEVELLING MONO-STABLE SWITCH
 ASM : DOWN DIRECTION LEVELLING MONO-STABLE SWITCH
 MLB : DOOR ZONE

P.S.: IT'S NOT NEEDED TO USE ASM AND YSM
WHERE THE ROPE CREEPAGE IS NOT EXIST.

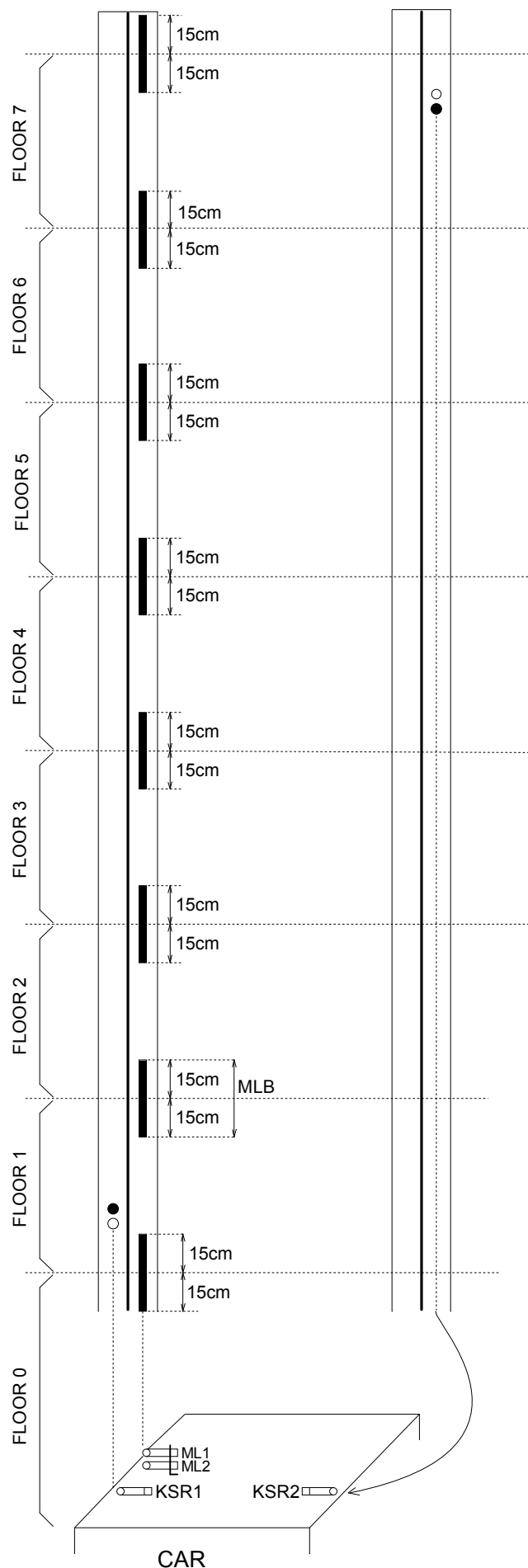
● : BI-STABLE SWITCH IS CLOSED
 ○ : BI-STABLE SWITCH IS OPEN

30cm : RIBBON MAGNET FOR DOOR ZONE

10cm : RIBBON MAGNET FOR ADVANCED DOOR OPENNING ZONE

CAUTION! ML1 and ML2 Mono-Stable switches must be suitable to 14.1.2.5 article at EN81-1 and EN81-2 standards.

ML65X mikrolift	VERSION : 1.0	SHAFT LEARNING MAGNET CONFIGURATION FOR ELECTRICAL LIFTS WITH ADVANCED DOOR OPENNING AND RE-LEVELLING
	DATE : 20.05.2013	
	SCHEME NO : ML65X_45	



KSR1 : DOWN LIMIT BI-STABLE SWITCH
 KSR2 : UP LIMIT BI-STABLE SWITCH
 ML1 : DOOR ZONE MONO-STABLE SWITCH
 ML2 : DOOR ZONE MONO-STABLE SWITCH
 MLB : DOOR ZONE

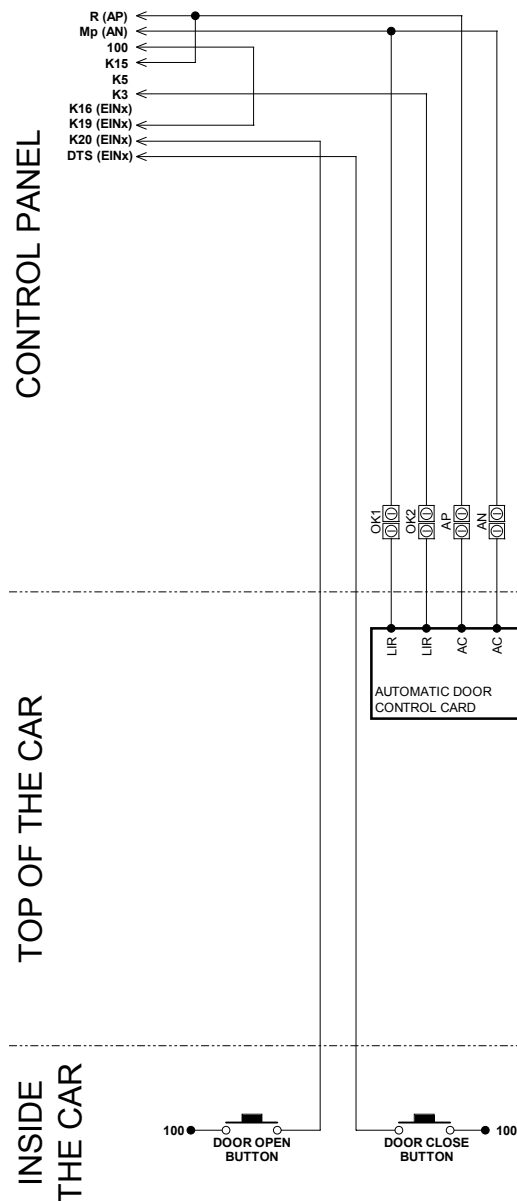
● : BI-STABLE SWITCH IS CLOSED
 ○ : BI-STABLE SWITCH IS OPEN

30cm : RIBBON MAGNET FOR DOOR ZONE

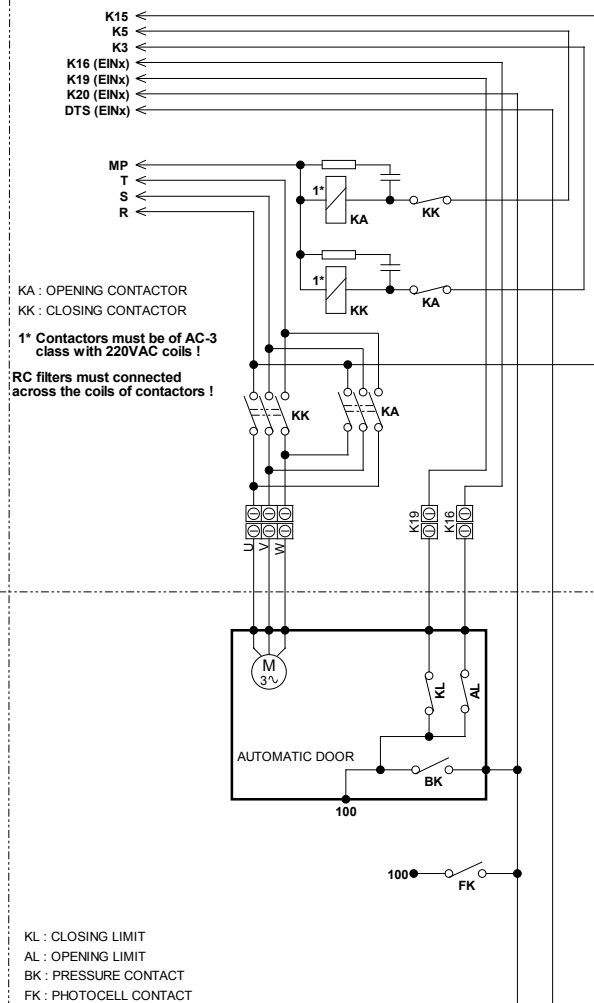
CAUTION! ML1 and ML2 Mono-Stable switches must be suitable to 14.1.2.5 article at EN81-1 and EN81-2 standards.

ML65X mikrolift	VERSION : 1.0	SHAFT LEARNING MAGNET CONFIGURATION FOR ELECTRICAL LIFTS
	DATE : 20.05.2013	
	SCHEME NO : ML65X_46	

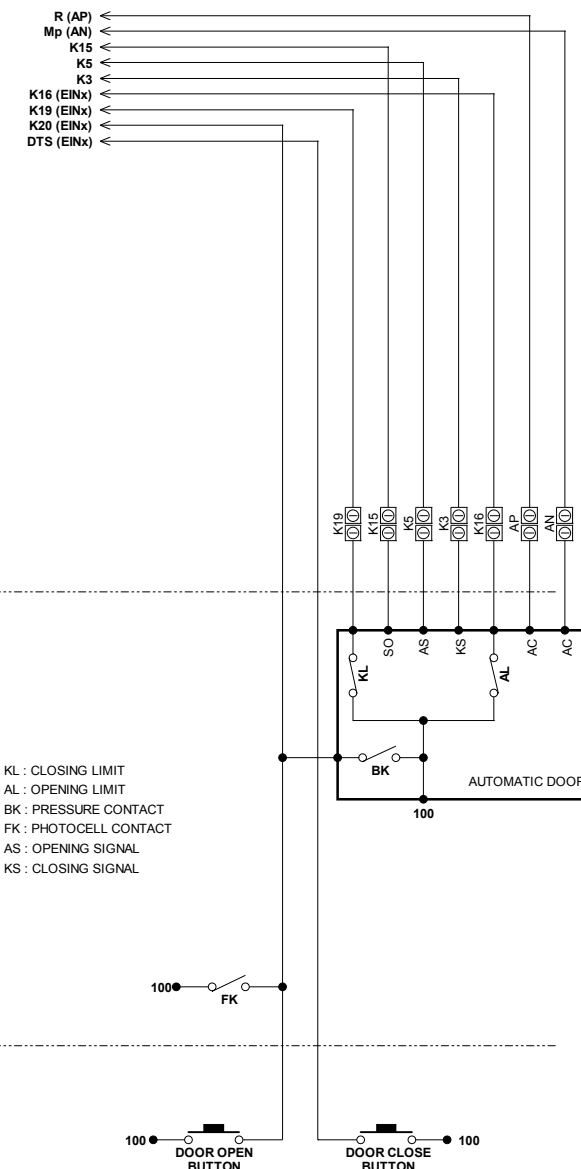
1 AUTOMATIC DOOR CONNECTIONS
RUNNING WITH CAM SIGNAL



2 AUTOMATIC DOOR WITH 380VAC
3 PHASE MOTOR CONNECTIONS



3 AUTOMATIC DOOR CONNECTIONS
INCLUDING THEIR OWN CONTROL



ML65X
mikrolift

VERSION : 1.0
DATE : 18.06.2012
SCHEME NO : ML65X_17

AUTOMATIC DOOR CONNECTIONS

	CALL TERMINALS AT MLKLM65 (ML65X) BOARD	CALL TERMINALS AT 1st MLINT65 BOARD	CALL TERMINALS AT 2nd MLINT65 BOARD
	X01 X02 X03 X04 X05 X06 X07 X08 X09 X10 X11 X12 X13 X14 X15 X16	X01 X02 X03 X04 X05 X06 X07 X08 X09 X10 X11 X12 X13 X14 X15 X16	X01 X02 X03 X04 X05 X06 X07 X08 X09 X10 X11 X12 X13 X14 X15 X16
UP / DOWN MIX COLLECTIVE (2 - 16 FLOORS)	401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416	NOT USED	NOT USED
UP / DOWN MIX COLLECTIVE (17 - 24 FLOORS)	401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416	417 418 419 420 421 422 423 424	NOT USED
DOWN COLLECTIVE (2 - 8 FLOORS)	401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416	NOT USED	NOT USED
DOWN COLLECTIVE (9 - 16 FLOORS)	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216	401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416	NOT USED
DOWN COLLECTIVE (17 - 24 FLOORS)	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216	401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416	217 218 219 220 221 222 223 224 417 418 419 420 421 422 423 424
UP COLLECTIVE (2 - 8 FLOORS)	401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416	NOT USED	NOT USED
UP COLLECTIVE (9 - 16 FLOORS)	301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316	401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416	NOT USED
UP COLLECTIVE (17 - 24 FLOORS)	301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316	401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416	317 318 319 320 321 322 323 324 417 418 419 420 421 422 423 424
SELECTIVE COLLECTIVE (2 - 6 FLOORS)	401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416	NOT USED	NOT USED
SELECTIVE COLLECTIVE (7 - 9 FLOORS)	301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316	401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416	NOT USED
SELECTIVE COLLECTIVE (10 - 16 FLOORS)	301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316	401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416	202 203 204 205 206 207 208 209 210 211 212 213 214 215 216

CONTROL PANEL

		CALL TERMINALS AT MLKLM65 (ML65X) BOARD																CALL TERMINALS AT 1st MLINT65 BOARD																CALL TERMINALS AT 2nd MLINT65 BOARD															
		X01	X02	X03	X04	X05	X06	X07	X08	X09	X10	X11	X12	X13	X14	X15	X16	X01	X02	X03	X04	X05	X06	X07	X08	X09	X10	X11	X12	X13	X14	X15	X16	X01	X02	X03	X04	X05	X06	X07	X08	X09	X10	X11	X12	X13	X14	X15	X16
①	UP / DOWN MIX COLLECTIVE (2 - 16 FLOORS)	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	NOT USED																NOT USED															
②	UP / DOWN MIX COLLECTIVE (17 - 24 FLOORS)	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	NOT USED																							
③	DOWN COLLECTIVE (2 - 16 FLOORS)	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	NOT USED																NOT USED															
④	DOWN COLLECTIVE (17 - 24 FLOORS)	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	NOT USED																							
⑤	UP COLLECTIVE (2 - 16 FLOORS)	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	NOT USED																NOT USED															
⑥	UP COLLECTIVE (17 - 24 FLOORS)	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	NOT USED																							
⑦	SELECTIVE COLLECTIVE (2 - 9 FLOORS)	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	NOT USED																NOT USED															
⑧	SELECTIVE COLLECTIVE (10 - 16 FLOORS)	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	NOT USED																
⑨	SELECTIVE COLLECTIVE (17 - 24 FLOORS)	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	317	318	319	320	321	322	323	217	218	219	220	221	222	223	224		

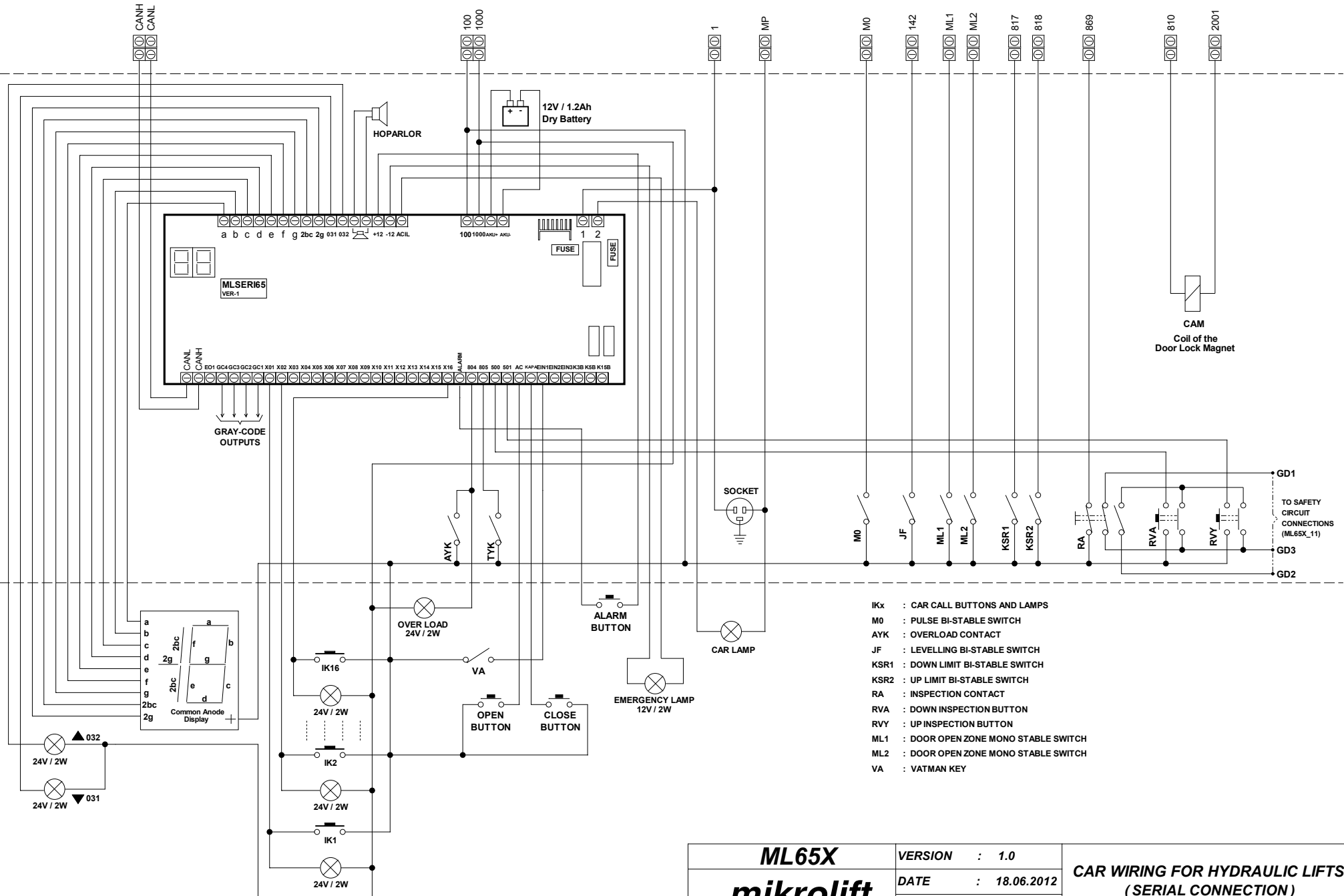
TOP OF THE CAR

		CALL TERMINALS AT SERI65 BOARD																CALL TERMINALS AT 3th MLINT65 BOARD															
		X01	X02	X03	X04	X05	X06	X07	X08	X09	X10	X11	X12	X13	X14	X15	X16	X01	X02	X03	X04	X05	X06	X07	X08	X09	X10	X11	X12	X13	X14	X15	X16
1	UP / DOWN MIX COLLECTIVE (2 - 16 FLOORS)	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	NOT USED															
2	UP / DOWN MIX COLLECTIVE (17 - 24 FLOORS)	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424								
3	DOWN COLLECTIVE (2 - 16 FLOORS)	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	NOT USED															
4	DOWN COLLECTIVE (17 - 24 FLOORS)	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424								
5	UP COLLECTIVE (2 - 16 FLOORS)	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	NOT USED															
6	UP COLLECTIVE (17 - 24 FLOORS)	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424								
7	SELECTIVE COLLECTIVE (2 - 9 FLOORS)	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	NOT USED															
8	SELECTIVE COLLECTIVE (10 - 16 FLOORS)	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	NOT USED															
9	SELECTIVE COLLECTIVE (17 - 24 FLOORS)	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424								

CONTROL PANEL

TOP OF THE CAR

INSIDE THE CAR



ML65X mikrolift	VERSION : 1.0	CAR WIRING FOR HYDRAULIC LIFTS (SERIAL CONNECTION)
	DATE : 18.06.2012	
	SCHEME NO : ML65X_21	