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Headlamp aiming systems  
Driver assistance sensor aiming  
Vision applications

LET-Project number	IDE190006
Project description	Luminoscope system SAM-LVC1050-FM with height detection bar
Manufacturer	L.E.T. Automotive N.V. Vaartlaan 20 B-9800 Deinze
Project number	IDE190006
Responsible for project	Pieter Delforche

Customer	ShenZhen Promise 2B, Building 105, TaoYuan Village Nanshan District, Shenzhen City China
Drawing number	IDE190006-T5E01_

Installation	SAM-LVC1050-FM with height detection	Supply from cabinet	-
Type		Main power supply	1~220VAC+PE
Location	-	Frequence / Net	50Hz /10A
Quantity	2	Control voltage	24Vdc
		SPS/PLC System	LET Canbus
		Year of construction	2019

Created on	19/04/2019	2.7.3	
Edit date	19/04/2019	LET	Number of pages 92

# Revision overview

[illegible]

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+A12/3	Optical unit/light box Luminoscope +A12: plugs & wiring parallel I/O interface	19/04/2019	LET
+A14/1	APS-controller board +A14 Luminoscope: plugs & wiring 24Vdc power in/out + input/output Canbus interface	19/04/2019	LET
+A14/2	APS-controller board +A14 Luminoscope: wiring motor, encoder & switches L/R movement motorized trolley Luminoscope	19/04/2019	LET
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+A14/5	APS-controller board +A14 Luminoscope: wiring emergency stop button & start button controlbox Luminoscope + spare plug for manual up/down pushbuttons controlbox	19/04/2019	LET
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+CABLE/11	CAB: Cable interconnection diagram	19/04/2019	LET
+CABLE/12	CAB: Cable interconnection diagram	19/04/2019	LET
+CABLE/13	CAB: Cable interconnection diagram	19/04/2019	LET
+CABLE/14	CAB: Cable interconnection diagram	19/04/2019	LET
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+BOM/1	BOM: List bill of material	19/04/2019	LET
+BOM/1.a	BOM: List bill of material	19/04/2019	LET



# IDENTIFICATION SYSTEMS

## COMPONENT/DEVICE IDENTIFICATION SYSTEM

DRAWING NUMBER

XXXXXXXXXX

LET-PROJECTNUMBER

=

LOCATION

+A14

APS UNIT

+

BMK (PAGE/PAD)

-14S3

SWITCH UNIT DRAWN  
ON PAGE 14/PATH 3

## CABLE IDENTIFICATION SYSTEM

W-A10-XS100/A14-XS100.1

BMK (COMPONENT CODE) FOR CABLES

STRUCTURAL LOCATION AND DEVICE CODE INITIAL START OF CABLE

STRUCTURAL LOCATION AND DEVICE CODE ARRIVAL OF CABLE

## TERMINALSTRIP IDENTIFICATION SYSTEM

+A1-XL1

STRUCTURAL LOCATION CODE FROM THE TERMINAL STRIP

BMK (COMPONENT) FOR TERMINAL STRIPS

SEQUENTIAL NUMBER

## EPLAN CROSS-REFERENCE IDENTIFICATION QSYSTEM

POWER WIRING

+A1-220 L1 . 1

STRCUTURAL LOCATION CODE

VOLTAGE (400VAC,220VAC,24VAC, 24VDC)

SEQUENTIAL NUMBER

SUB-SEQUENTIAL NUMBER


CONTROL WIRING


+A1-XS100. 2: 1

ALL REFERENCES  
FROM PIN/TERMINAL NUMBER  
TO PIN/TERMINAL NUMBER

4

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			Date	19/04/2019	IDE190006-T5E01_ SAM-LVC1050-FM with height detection		Information INF: Explanation identification systems	Drawingnumber customer IDE190006-T5E01_	=	
			Ed.	LET					+ INF	
			Appr							
Modification	Date	Name	Original						Page	5
								Total	92	

0	1	2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19
<div><div>IDENTIFICATION SYSTEMS</div><div><div>MARKING DEVICES</div><div>COMPONENT : 1x SELF-ADHESIVE LABEL LOCATED ABOVE THE COMPONENT PHOENXI CONTACT TYPE EMLP (20X8)</div><div>TERMINAL STRIPS : GROUP MARKER CARRIER FOR SNAPPING INTO END STOPS PHOENIX CONTACT TYPE KLM +LABELING INSERT MARKER PHOENIX CONTACT TYPE US-EMP (25x6MM)</div><div>TERMINALS : MARKER FOR TERMINAL BLOCKS PHOENIX CONTACT TYPE UCT-TM 5</div><div>CABLES : MARKED AT BOTH ENDS WITH PLASTIC CABLE MARKER PHOENIX CONTACT TYPE KMK2 +LABELING INSERT MARKER PHOENIX CONTACT TYPE US-EMP (29x8MM)</div><div>WIRING/CABELCORE : FOR CABLEHOLDER PHOENIX CONTACT TYPE PATG WITH TARGET MARKING (PLACE OF INSTALLATION + BMK) LABELING INSERT MARKER PHOENIX CONTACT TYPE US-WMT (23x4MM) CONDUCTOR MARKER CARRIER PHOENIX CONTACT TYPE PATG 1/23 : WIRE SECTION 1,5-2,5MM CONDUCTOR MARKER CARRIER PHOENIX CONTACT TYPE PATG 2/23 : WIRE SECTION 2-4MM</div></div></div>																		
5																		7
			Date	19/04/2019	IDE190006-T5E01_ SAM-LVC1050-FM with height detection		Information INF: Marking & labeling	Drawingnumber customer IDE190006-T5E01_	=									
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WIRE COLORS IN ENCLOSURES			
DESCRIPTION CIRCUIT	POTENTIAL	WIRE COLOR	WIRE SECTION
PRIMARY CIRCUITS 400/220VAC	L1/L2/L3	BLACK	MIN. 1.5mm²
NEUTRAL WIRE	N	LIGHT BLUE	MIN. 1mm²
EQUIPMENT GROUNDING CONDUCTOR	PE	GREEN/YELLOW	MIN. 1mm²
CONTROL CIRCUITS	220 VAC	RED	MIN. 1mm²
CONTROL CIRCUITS	24VAC	RED	MIN. 1mm²
CONTROL CIRCUITS	0 VAC	RED	MIN. 1mm²
CIRCUITS UPSTREAM DISCONNECT SWITCH	L1/L2/L3	ORANGE	MIN. 1.5mm²
CONTROL CIRCUITS	24VDC	DARK BLUE	MIN. 1mm²
CONTROL CIRCUITS	0 VDC	DARK BLUE	MIN. 1mm²
INTERLOCK CIRCUITS	-	ORANGE	MIN. 1mm²

COLORS ABBREVIATIONS			
COLOR ABBREVIATION	COLOR	COLOR ABBREVIATION	COLOR
BN	BROWN	VI	VIOLETT
RD	RED	GY	GRAY
PK	PINK	WH	WHITE
YE	YELLOW	BK	BLACK
GN	GREEN	GNYE	GREEN/YELLOW
BU	BLUE	TQ/LIGHT BU	LIGHT BLUE
OG	ORANGE	DARK BU	DARK BLUE

TERMINAL SIZES		
DESCRIPTION CIRCUIT	POTENTIAL	WIRE COLOR
PRIMARY POWER CIRCUITS 400VAC	L1/L2/L3/N	0.08-2.5mm²-TERMINALS Phoenix Contact ST-Series GREY
GROUNDING PRIMARY POWER CIRCUITS 400/220VAC	PE	0.08-2.5mm²-TERMINALS Phoenix Contact ST-Series GREEN-YELLOW
POWER CIRCUITS UPSTREAM DISCONNECT SWITCH	L1/L2/L3/N	0.08-2.5mm²-TERMINALS Phoenix Contact ST-Series GREY
CONTROL CIRCUITS	220 VAC	0.08-2.5mm²-TERMINALS Phoenix Contact ST-Series GREY
CONTROL CIRCUITS	24 VAC	0.08-2.5mm²-TERMINALS Phoenix Contact ST-Series GREY
CONTROL CIRCUITS	0 VAC	0.08-2.5mm²-TERMINALS Phoenix Contact ST-Series GREY
CONTROL CIRCUITS	24 VDC	0.08-2.5mm²-TERMINALS Phoenix Contact ST-Series GREY
CONTROL CIRCUITS	0 VDC	0.08-2.5mm²-TERMINALS Phoenix Contact ST-Series GREY
GROUNDING PRIMARY CONTROL CIRCUITS	PE	0.08-2.5mm²-TERMINALS Phoenix Contact ST-Series GREEN-YELLOW
INTERLOCK CIRCUITS	L1/L2/L3	0.08-2.5mm²-TERMINALS Phoenix Contact ST-Series ORANGE

BMK (COMPONENT IDENTIFICATION) / LOCATION

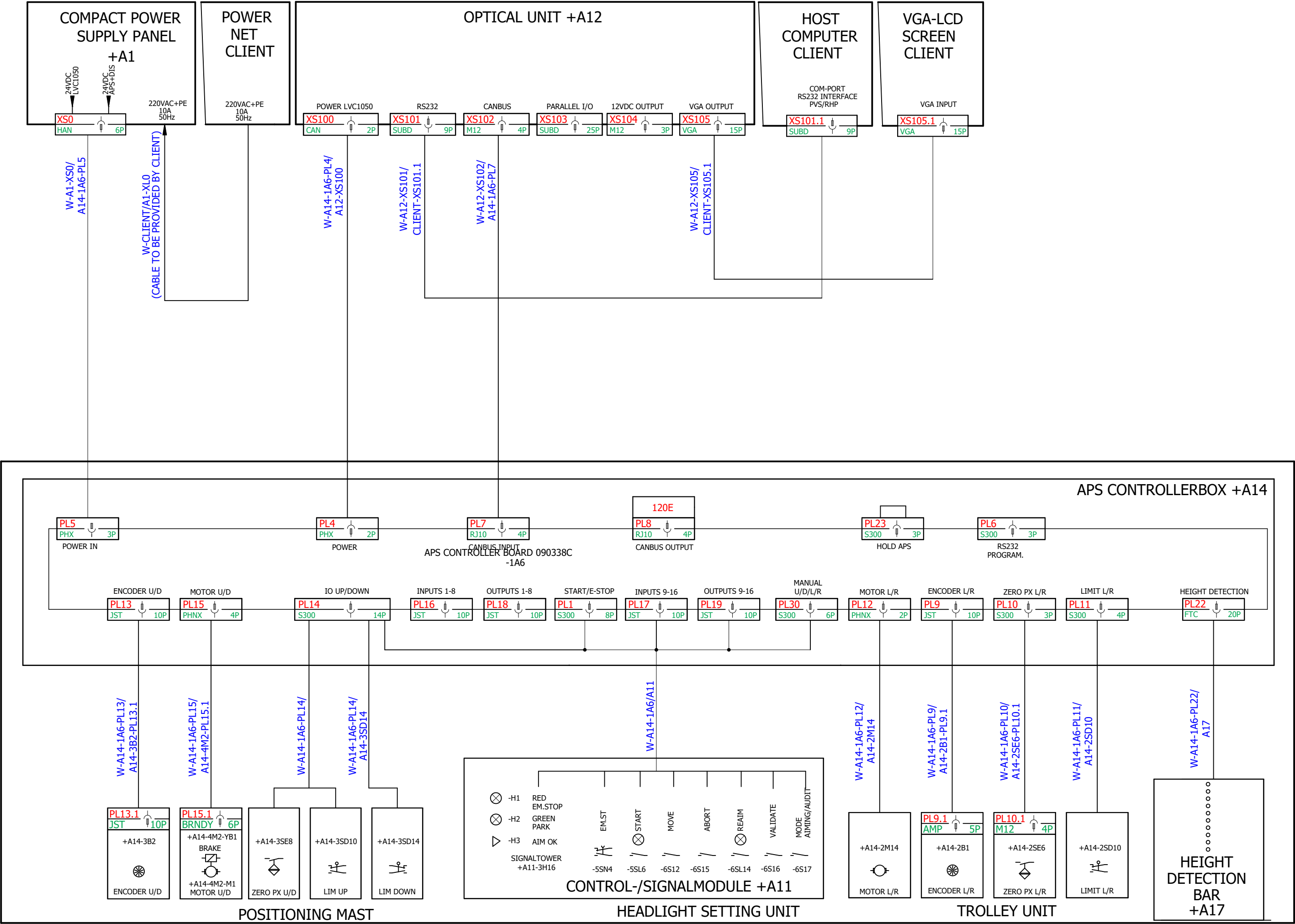
(The components in the enclosures will be marked with LUTZE CS1)

PURPOSE OF COMPONENT	IDENTIFICATION CHARACTER	EXAMPLE
FUNCTIONAL ELEMENTS	A	PANELS, BOXES, KEYBOARDS, MOUSE, COMPUTER
ELECTRIC AND NON-ELECTRIC LEVEL CONVERTERS	B	ENCODER, SENSORS
CAPACITORS	C	PHOTO-ELECTRIC CEL
BINARY ELEMENTS	D	/
LIGHTING FIXTURES	E	HEATER, CABINET ILLUMINATION
PROTECTION DEVICES/FUSES	F	FUSES, CIRCUIT BREAKER
POWER SOURCES	G	BATTERY, POWER SUPPLY UNIT
SIGNALISATIONS	H	SIGNAL LAMP, LED, ACOUSTICAL SIGNAL DEVICE
RELAY DEVICES	K	RELAY, CONTACTOR RELAY
INDUCTORS/COILS	L	SPOOL
MOTORS	M	LINEAR MOTOR, DC-MOTOR, AC-MOTOR
REGULATING DEVICES	N	/
MEASUREMENT INSTRUMENTS	P	VOLT METER, WATT METER
DISCONNECT DEVICES	Q	MAIN SWITCH, FUSED DISCONNECTOR
RESISTORS	R	SHUNT, RESISTOR
SWITCHES	S	PUSHBUTTON, SELECTOR SWITCH
TRANSFORMERS	T	POWER TRANSFORMER, MEASURING TRANSFORMER
FREQUENCY CONVERTOR	U	DEMODULATOR, FREQUENCY CONVERTOR
RECTIFIERS/DIODES	V	DIODE, TRANSISTOR
CONDUCTING DEVICES	W	CABLE, CONDUCTOR
TERMINALS, CONNECTORS	X	CONNECTOR, PLUG CONNECTOR TEMRINAL STRIPS
MECHANICAL DEVICES	Y	VALVE, PLUG CONNECTOR TERMINAL STRIPS
FILTERS & SUPRESSORS	Z	/

# BMK (COMPONENT IDENTIFICATION) / LOCATION

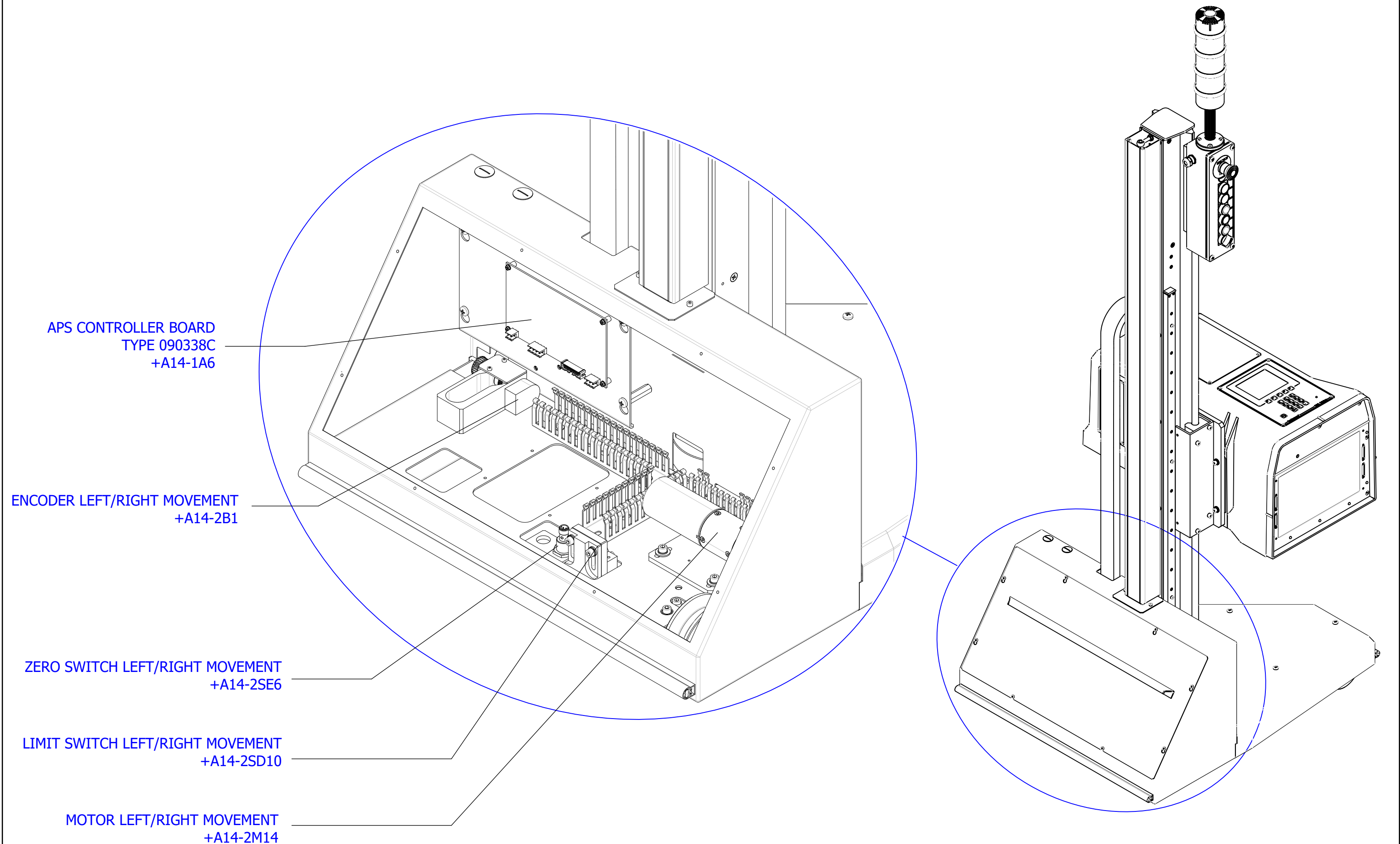
For an unique identification; the following elements are forseen from a sub-characater

CHARACTER	ADD-ON	PURPOSE OF COMPONENT
S		SWITCH (GENERAL)
S	E	PROXIMITY SWITCH
S	D	MECHANICAL ACTIVATED SWITCH
S	L	ILLUMINATED SWITCH
S	N	EMERGENCY STOP SWITCH
S	P	PROGRAMMABLE SWITCH
S	W	SELECTORSWITCH
X		CONNECTION DEVICE (GENERAL)
X	L	TERMINAL STRIP
X	S	CONNECTION PLUG

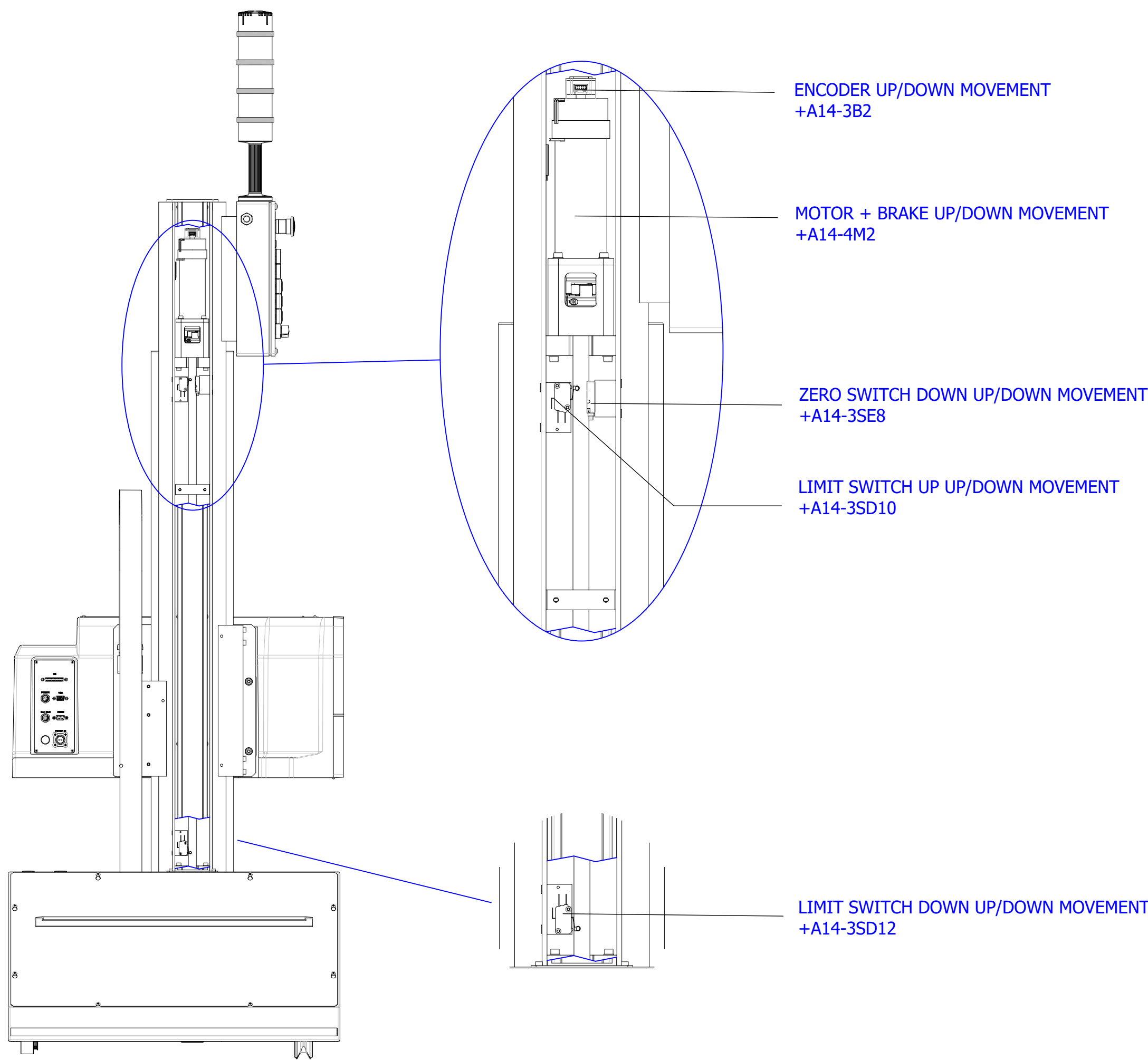


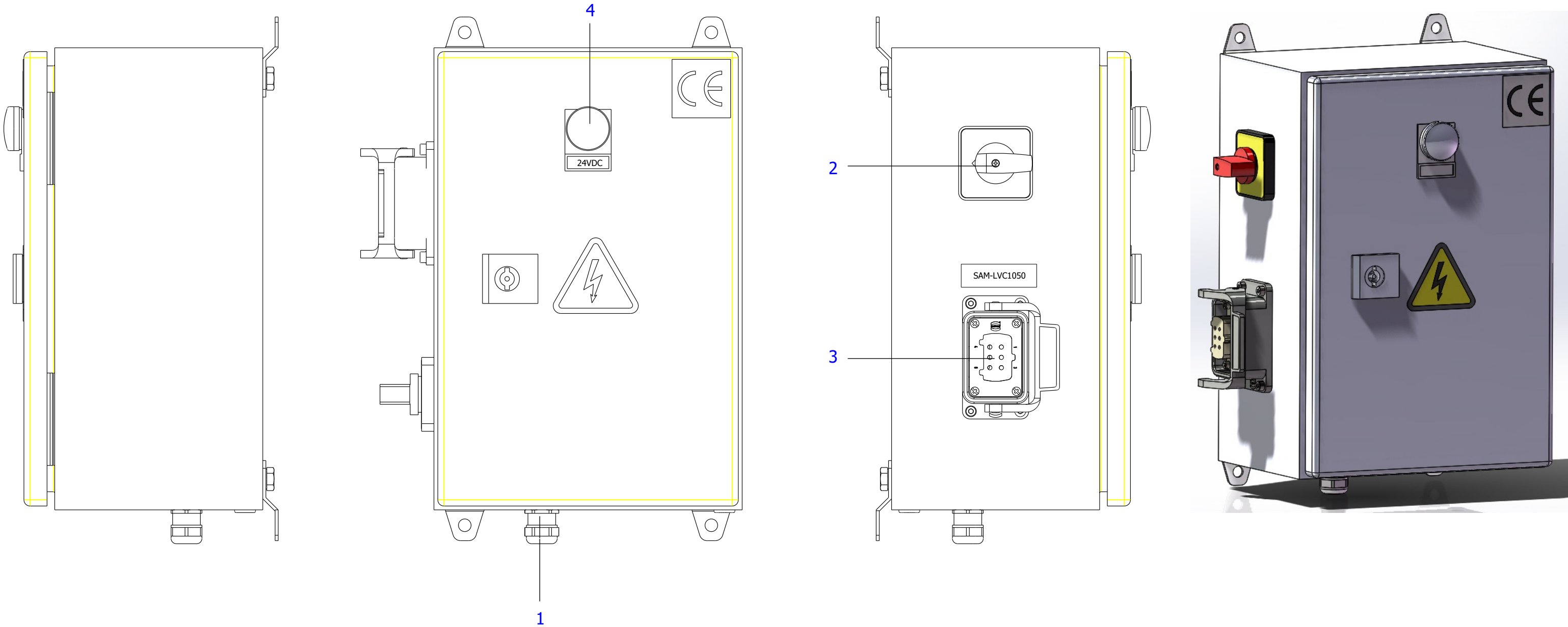






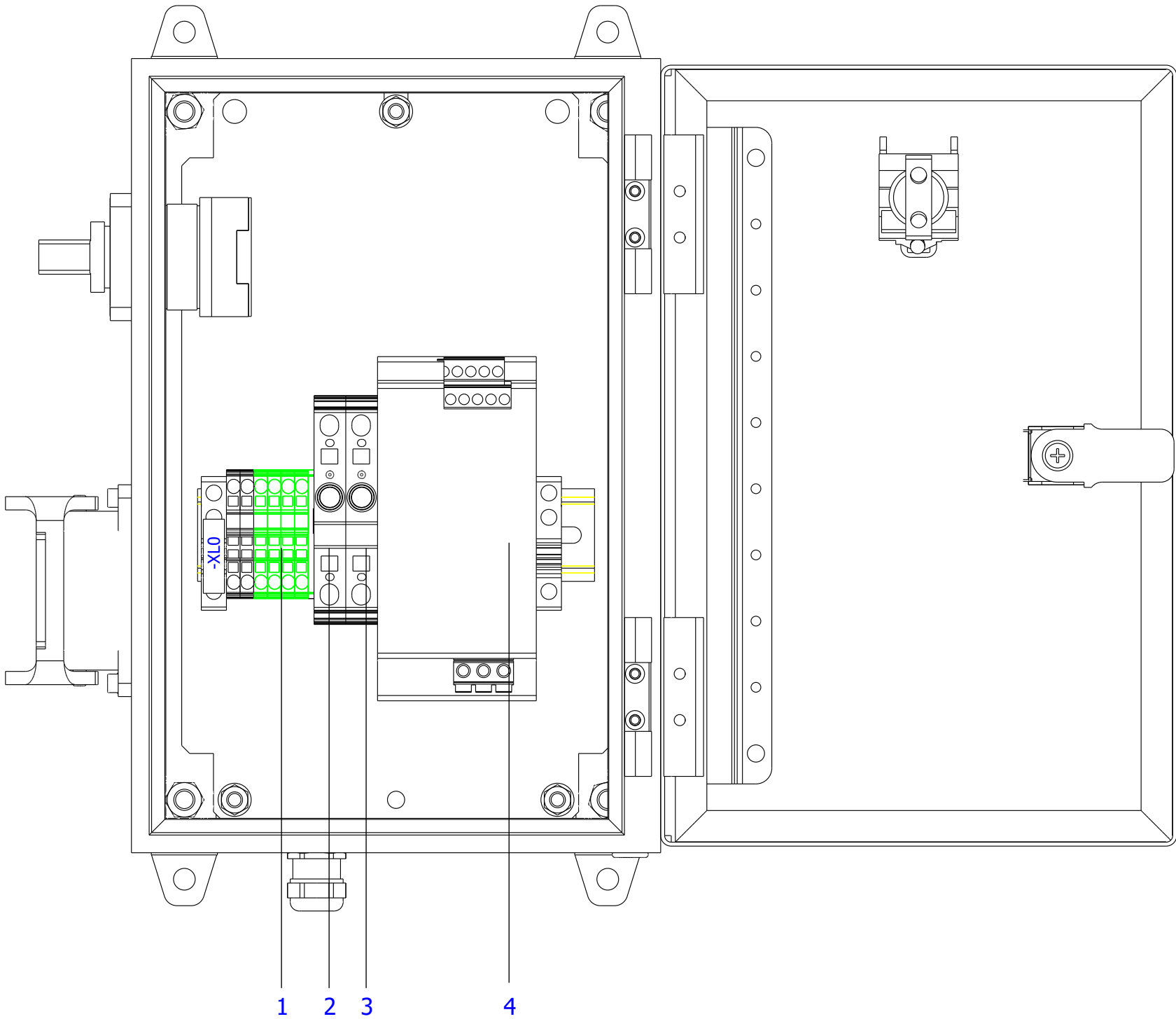






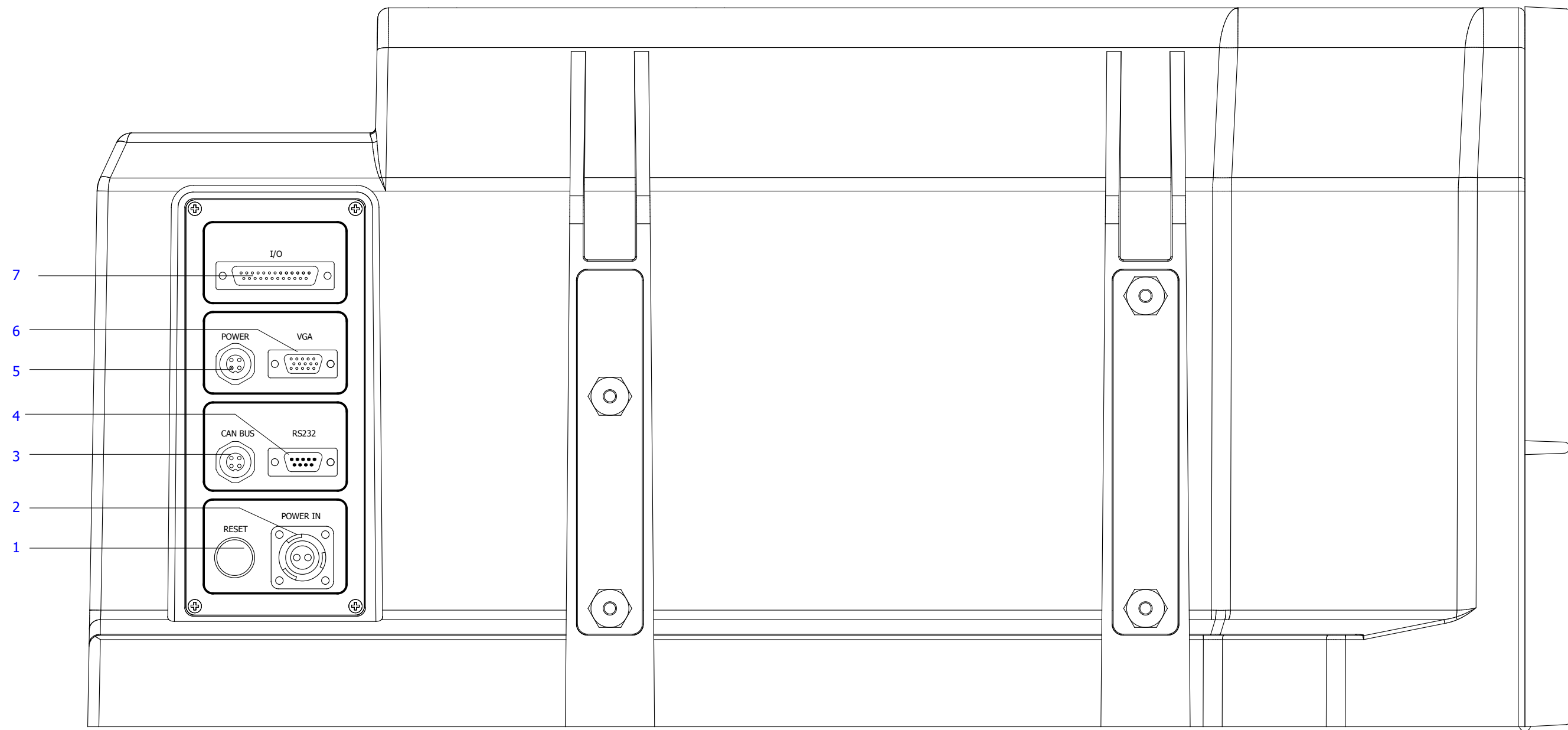
<i><b><u>POS.</u></b></i>	<i><b><u>NAME</u></b></i>	<i><b><u>FUNCTION</u></b></i>
1	/	CABLE GLAND FOR CABLE 220VAC INPUT FOM POWER NET CLIENT
2	+A1-1S3	MAIN ON/OFF SWITCH
3	+A1-XS0	PLUG 24VDC POWER SUPPLY -> LUMINOSCOPE HEADLAMP AIMING SYSTEM
4	+A1-1H15	PILOT LIGHT WITH INDICATION PRESENCE 24VDC POWER SUPPLY

**FRONT VIEW WITH OPEN DOOR**



<i><b>POS.</b></i>	<i><b>NAME</b></i>	<i><b>FUNCTION</b></i>
1	+A1-XL0	TERMINALS POWER DISTRIBUTION
2	+A1-1XL8	GLASS FUSE-TERMINAL 220VAC INPUT (L)
3	+A1-1XL9	GLASS FUSE-TERMINAL 220VAC INPUT (N)
4	+A1-1G8	POWER UNIT 220VAC/24VDC-10A



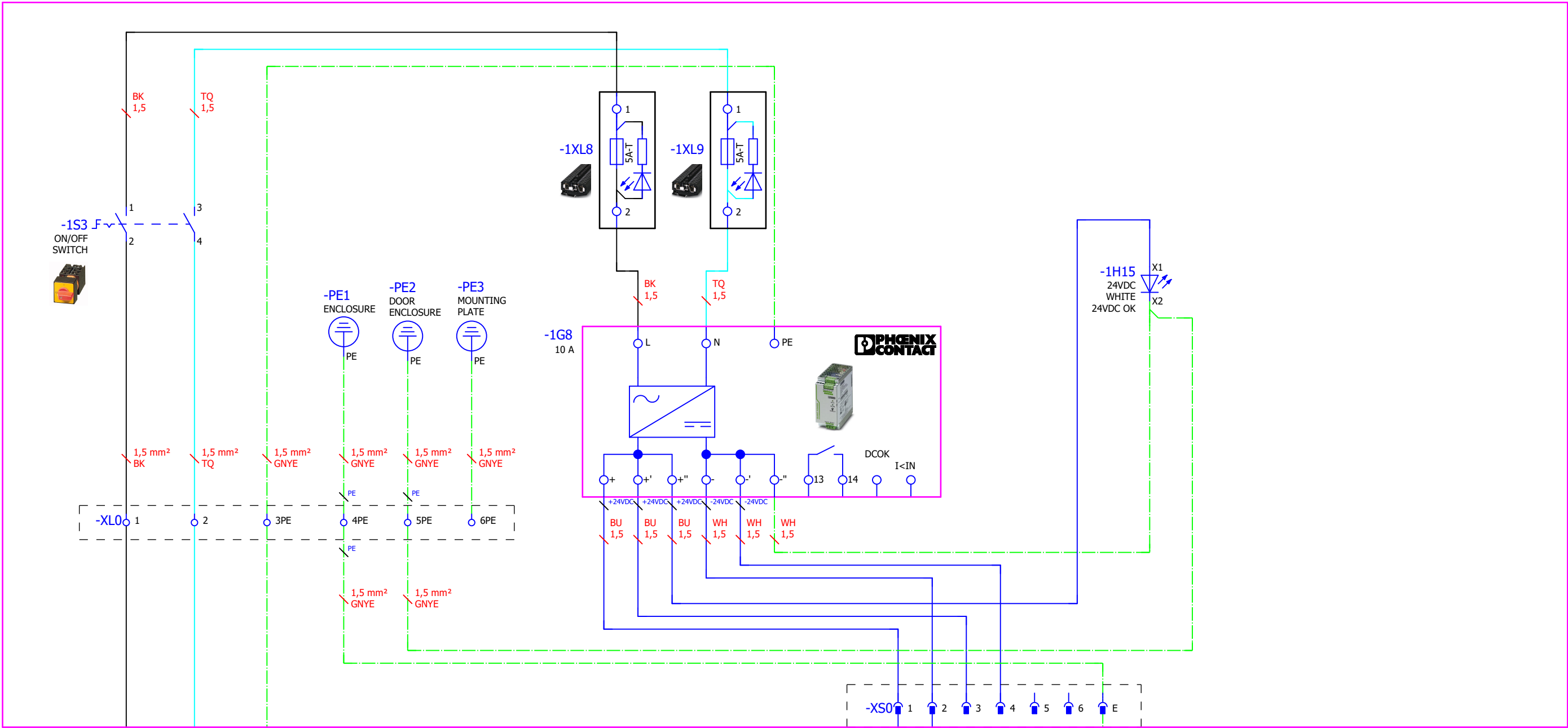


<i><b><u>POS.</u></b></i>	<i><b><u>NAME</u></b></i>	<i><b><u>FUNCTION</u></b></i>
1	/	ON-OFF BUTTON.
2	+A12-XS100	PLUG 24VDC POWER INPUT FROM APS CONTROLLER BOARD
3	+A12-XS102	PLUG CANBUS OUTPUT -> APS CONTROLLER BOARD
4	+A12-XS101	PLUG RS232 INTERFACE <-> HOSTCOMPUTER SUPPLIED BY SHENZHEN OR END-USER
5	+A12-XS104	SPARE PLUG 12VDC POWER OUTPUT
6	+A12-XS105	PLUG VGA OUTPUT -> LCD SCREEN SUPPLIED BY SHENZHEN OR END-USER
7	+A12-XS103	SPARE PLUG PARALLEL I/O INTERFACE



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			Ed.	LET							
			Appr								
Modification	Date	Name	Original								
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+A1  
COMPACT POWER SUPPLY PANEL  
LUMINOSCOPE SYSTEM



W-CLIENT/A1-XL0  
ÖLFLEX® CLASSIC 100  
3x1,5 mm²  
220Vac power input compact power supply box  
Luminoscope system from power net client

W-A1-XS0/A14-1A6-PL5  
ÖLFLEX® FD CLASSIC 810  
5x1,5 mm²  
Cable 24Vdc compact power supply box ->  
APS-board Luminoscope

220VAC POWER SUPPLY FROM POWER NET CUSTOMER  
1~220VAC+PE/10A 50Hz

24VDC POWER -> LUMINOSCOPE SYSTEM

+GRAPH/9

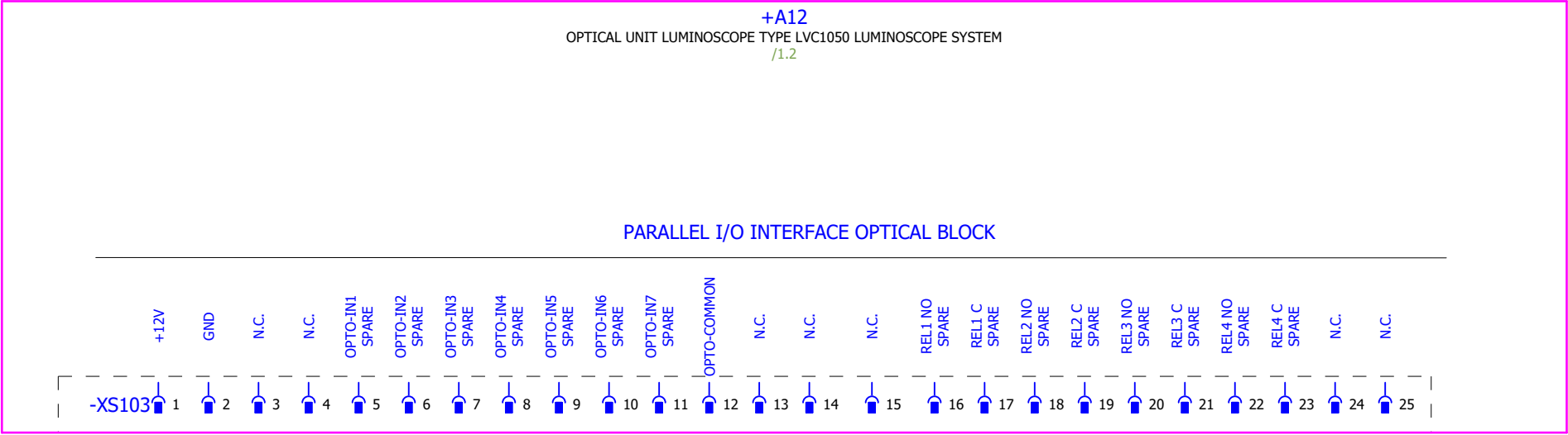
+A12/1

			Date	19/04/2019	IDE190006-T5E01_	L.E.T. AUTOMOTIVE	VAARTLAAN 20 B-9800 DEINZE TEL: +32 (0)9 381 87 87 FAX: +32 (0)9 386 92 00 EMAIL: INFO@LET.BE	Compact power supply box Luminoscope +A1: 220Vac input, main switch, terminals, 24Vdc power unit & Harting plug for connection to Luminoscope	Drawingnumber IDE190006-T5E01_	+ A1	
			Ed.	LET	SAM-LVC1050-FM with height detection						Page 1
Modification	Date	Name	Appr								
			Original							Total	92



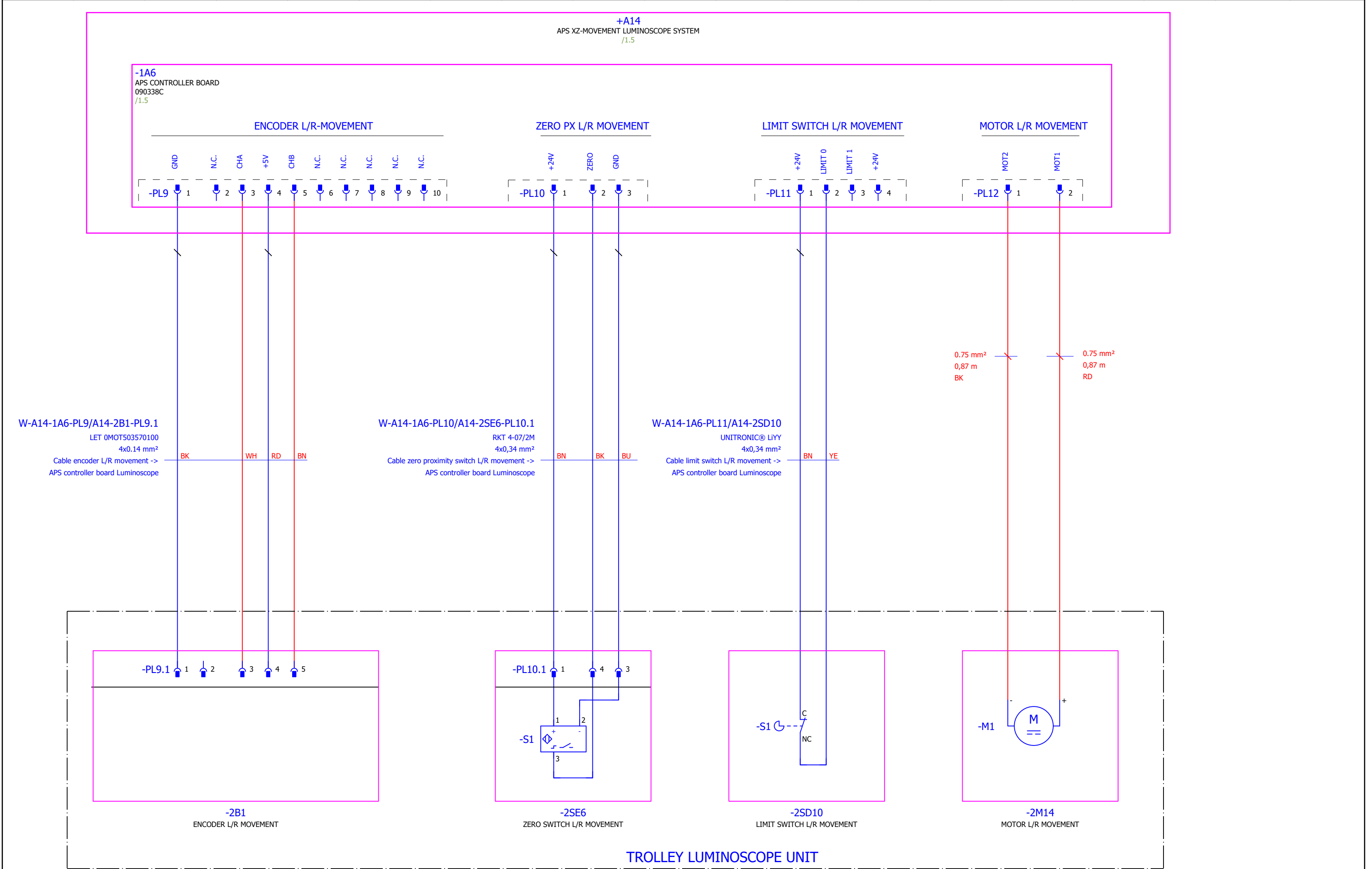








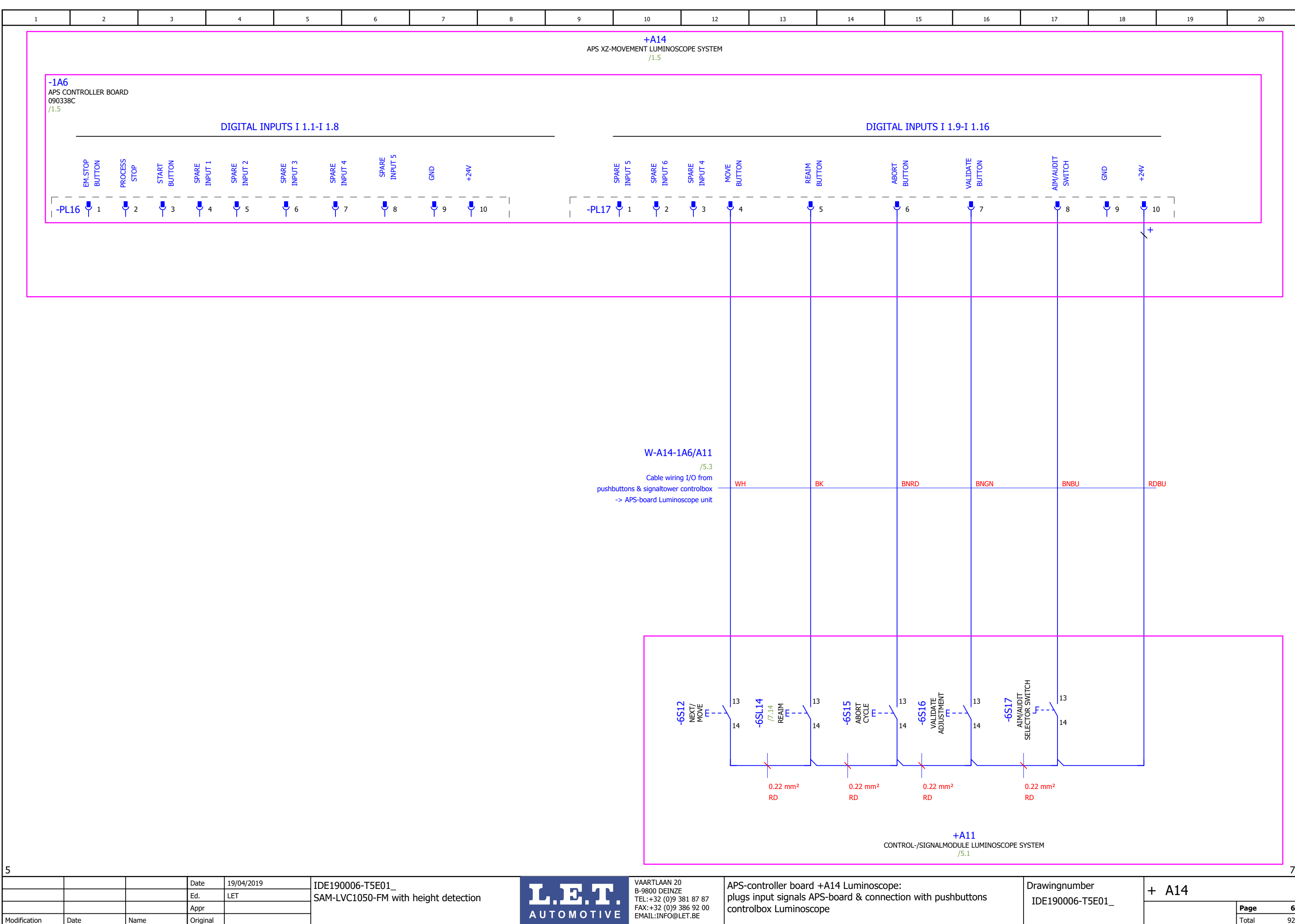
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Terminal strip connection diagram

Terminal strip designation										Cable name									
+A1-XL0																			
Terminals power distribution internal compact power box left Luminoscope system																			
Cable name										Cable type									
Cable type										Connection point									
Jumper										Terminal									
Connection point										Target designation									
Target designation																Page / column			
Function text																			
220VAC/L										BN						/1.3			
220VAC/N										BU						/1.4			
PE										GNYE						/1.5			
=																/1.5			
=																/1.6			
=																/1.7			

2 +PLUG/1

**L.E.T.**  
AUTOMOTIVE

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EMAIL:INFO@LET.BE

TERM:  
Terminal strip connection diagram

Drawingnumber  
IDE190006-T5E01\_

+ TERM	
	Page 3
	Total 92

Plug-strip overview

Plug designation	Plug definition text	Plug					Graphical page of plug connection diagram
		first	last	Total PE	Total N	Total number	
+A1-XS0	Plug 24Vdc power supply compact power box -> left Luminoscope system	1	E	1	0	7	+PLUG/2
+A12-XS100	Plug 24Vdc power input optical unit left Luminoscope system	A	B	0	0	2	+PLUG/3
+A12-XS101	Plug RS232 communication port optical unit left Luminoscope system	1	9	0	0	9	+PLUG/4
+A12-XS102	Plug output canbus interface optical unit left Luminoscope system	1	4	0	0	4	+PLUG/5
+A12-XS103	Plug parallel I/O interface optical unit left Luminoscope system	1	25	0	0	25	+PLUG/6
+A12-XS104	Spare plug 12Vdc power output optical unit to LCD screen left Luminoscope system	1	4	0	0	3	+PLUG/7
+A12-XS105	Plug VGA-graphics output optical unit left Luminoscope system to LCD screen Shenzhen	1	15	0	0	15	+PLUG/8
+A14-1A6-PL1	Plug Emergency stop & start circuit APS-board left Luminoscope system	1	8	0	0	8	+PLUG/9
+A14-1A6-PL4	Plug 24Vdc power output APS-board left Luminoscope system	1	2	0	0	2	+PLUG/10
+A14-1A6-PL5	Plug 24Vdc power input APS-board left Luminoscope system	1	3	1	0	3	+PLUG/11
+A14-1A6-PL6	RS232 programmation plug APS-board left Luminoscope system	1	3	0	0	3	+PLUG/12
+A14-1A6-PL7	Plug input canbus interface APS-board left Luminoscope system	1	4	0	0	4	+PLUG/13
+A14-1A6-PL8	Plug output canbus interface APS-board left Luminoscope system	1	4	0	0	4	+PLUG/14
+A14-1A6-PL9	Plug for connection encoder L/R movement APS-board left Luminoscope system	1	10	0	0	10	+PLUG/15
+A14-1A6-PL10	Plug for connection zero switch L/R movement APS-board left Luminoscope system	1	3	0	0	3	+PLUG/16
+A14-1A6-PL11	Plug for connection limit switch L/R movement APS-board left Luminoscope system	1	4	0	0	4	+PLUG/17
+A14-1A6-PL12	Plug for connection motor L/R movement APS-board left Luminoscope system	1	2	0	0	2	+PLUG/18
+A14-1A6-PL13	Plug for connection encoder U/D movement APS-board left Luminoscope system	1	10	0	0	10	+PLUG/19
+A14-1A6-PL14	Plug for connection switches U/D movement APS-board left Luminoscope system	1	14	0	0	14	+PLUG/20
+A14-1A6-PL15	Plug for connection motor U/D movement APS-board left Luminoscope system	1	4	0	0	4	+PLUG/21
+A14-1A6-PL16	Plug digital inputs I 1.01-I 1.08 controlbox APS-board left Luminoscope system	1	10	0	0	10	+PLUG/22
+A14-1A6-PL17	Plug digital inputs I 1.09-I 1.16 controlbox APS-board left Luminoscope system	1	10	0	0	10	+PLUG/23
+A14-1A6-PL18	Plug digital outputs O 1.01-O 1.08 controlbox APS-board left Luminoscope system	1	10	0	0	10	+PLUG/24
+A14-1A6-PL19	Plug digital outputs O 1.09-O 1.16 controlbox APS-board left Luminoscope system	1	10	0	0	10	+PLUG/25
+A14-1A6-PL22	Spare plug for connection height detection bar on APS-board left Luminoscope system	1	20	0	0	20	+PLUG/26
+A14-1A6-PL23	Plug with 'Hold' Signal APS-board left Luminoscope system	1	3	0	0	3	+PLUG/27
+A14-1A6-PL30	Plug for connection pushbuttons manual UDLR movement on APS-board left Luminoscope system	1	6	0	0	6	+PLUG/28
+A14-2B1-PL9.1	Plug encoder L/R movement left Luminoscope system	1	5	0	0	5	+PLUG/29
+A14-3B2-PL13.1	Plug encoder from Z-motormodule U/D movement left Luminoscope system	1	10	0	0	10	+PLUG/30
+A14-4M2-PL15.1	Plug motor & brake Z-motormodule U/D movement left Luminoscope system	1	6	0	0	6	+PLUG/31
+A14-PL14.1	Plug zero proximity switch U/D movement -> APS-board left Luminoscope system	1	3	0	0	3	+PLUG/32
+A14-2SE6-PL10.1	Plug zero proximity switch L/R movement left Luminoscope system	1	4	0	0	3	+PLUG/33
+CLIENT-XS101.1	Plug COM-port hostcomputer supplied by Shenzhen or the end-user for RS232 communication with left Luminoscope	1	9	0	0	9	+PLUG/34
+CLIENT-XS105.1	Plug VGA-port from LCD-screen supplied by Shenzhen or the end-user for visualizations left Luminoscope	1	15	0	0	15	+PLUG/35

+TERM/3

Plug strip connection diagram

Function text								Cable name W-A1-XS0/A14-1A6-PL5	Cable type ÖLFLEX® FD CLASSIC 810 5x1,5 mm²	Strip designation  +A1-XS0  Plug 24Vdc power supply compact power box -> left Luminoscope system						Cable name							Page / column								
										Target designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point	Cable type														
24VDC APS								1		+A14-1A6-PL5	1	1			-1G8	+							/1.12								
GND APS								2		+A14-1A6-PL5	3	2			-1G8	-							/1.12								
24VDC DIS												3			-1G8	+'							/1.12								
GND DIS												4			-1G8	-'							/1.13								
N.C.												5											/1.13								
=								GNYE				6											/1.14								
PE										+A14-1A6-PL5	2	E			-XL0	4PE							/1.14								





Plug strip connection diagram

Strip designation										Cable name					Cable name					Page / column				
+A12-XS101																								
Plug RS232 communication port optical unit left Luminoscope system																								
										Cable name					Cable name									



Plug strip connection diagram

Function text									Cable name	Strip designation +A12-XS103 Plug parallel I/O interface optical unit left Luminoscope system						Cable name					Page / column
										Target designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point					
+12V												1									/3.4
GND												2									/3.5
N.C.												3									/3.5
=												4									/3.6
OPTO-IN1 SPARE												5									/3.6
OPTO-IN2 SPARE												6									/3.6
OPTO-IN3 SPARE												7									/3.7
OPTO-IN4 SPARE												8									/3.7
OPTO-IN5 SPARE												9									/3.7
OPTO-IN6 SPARE												10									/3.8
OPTO-IN7 SPARE												11									/3.8
OPTO-COMMON												12									/3.9
N.C.												13									/3.9
=												14									/3.9
=												15									/3.10
REL1 NO SPARE												16									/3.10
REL1 C SPARE												17									/3.11
REL2 NO SPARE												18									/3.11
REL2 C SPARE												19									/3.11
REL3 NO SPARE												20									/3.12
REL3 C SPARE												21									/3.12
REL4 NO SPARE												22									/3.13
REL4 C SPARE												23									/3.13
N.C.												24									/3.13
=												25									/3.14

Plug strip connection diagram

Function text									Cable name	Strip designation  +A12-XS104  Spare plug 12Vdc power output optical unit to LCD screen left Luminoscope system						Cable name					Page / column	
									Cable type	Target designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point	Cable type					
	+12VDC											1								/2.5		
	N.C.											3								/2.5		
	0VDC											4								/2.5		

Plug strip connection diagram

Strip designation  +A12-XS105  Plug VGA-graphics output optical unit left Luminoscope system to LCD screen Shenzhen										Cable name										Cable name										Page / column																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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## Plug strip connection diagram

Strip designation															
+A14-1A6-PL4															
Plug 24Vdc power output APS-board left Luminoscope system															
Cable name		Cable type		Target designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point	Cable type	ÖLFLEX® FD CLASSIC 810 2x0,75 mm²	W-A14-1A6-PL4/A12-XS100	Cable name	
Function text															
24V						1			+A12-XS100	A		1			/1.10
GND						2			+A12-XS100	B		2			/1.10











## Plug strip connection diagram

[illegible]



Plug strip connection diagram

Function text								W-A14-1A6-PL11/A14-2SD10	Cable name	Strip designation <b>+A14-1A6-PL11</b> Plug for connection limit switch L/R movement APS-board left Luminoscope system							Cable name								
								UNITRONIC® LVT 4x0,34 mm²		Target designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point		Cable type						Page / column	
+24V								BN		-2SD10-S1	C	1												/2.12	
LIMIT 0								YE		-2SD10-S1	NC	2												/2.13	
LIMIT 1												3												/2.13	
+24V												4												/2.13	







Plug strip connection diagram

Function text							W-A14-1A6/A11	W-A14-1A6-PL14/A14-3SD14	W-A14-1A6-PL14	Cable name	Strip designation +A14-1A6-PL14 Plug for connection switches U/D movement APS-board left Luminoscope system						Cable name						Page / column
											Target designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point						
+24V									BN	UNITRONIC® LYY 10x0,25 mm²	-PL14.1	1	1										/3.9
ZERO									RD		-PL14.1	2	2										/3.9
GND									PK		-PL14.1	3	3										/3.9
+24V									YE		-3SD10-S1	C	4										/3.12
LIM0									GN		-3SD10-S1	NC	5										/3.12
GND										UNITRONIC® LYY 4x0,25 mm²			6										/3.12
+24V								BN			-3SD14-S1	C	7										/3.14
LIM1								YE			-3SD14-S1	NC	8										/3.15
GND													9										/3.15
EM_ST LAMP						WHYE					+A11-3H16-X1	1	10										/3.17
PARK LAMP						WHGN				UNITRONIC® FD CP plus 25x0,25 mm²	+A11-3H16-X1	2	11										/3.18
SOUNDER						WHBU					+A11-3H16-X1	3	12										/3.19
SPARE LAMP						WHGY					+A11-3H16-X1	4	13										/3.19
GND						WHBK					+A11-3H16-X1	C	14										/3.20



Plug strip connection diagram

Function text									Cable name	Strip designation <b>+A14-1A6-PL16</b> Plug digital inputs I 1.01-I 1.08 controlbox APS-board left Luminoscope system						Cable name					Page / column
									Cable type	Target designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point	Cable type				
EM.STOP BUTTON												1									/6.2
PROCESS STOP												2									/6.2
START BUTTON												3									/6.3
SPARE INPUT 1												4									/6.4
SPARE INPUT 2												5									/6.4
SPARE INPUT 3												6									/6.5
SPARE INPUT 4												7									/6.6
SPARE INPUT 5												8									/6.6
GND												9									/6.7
+24V												10									/6.8

Plug strip connection diagram

Strip designation <b>+A14-1A6-PL17</b> Plug digital inputs I 1.09-I 1.16 controlbox APS-board left Luminoscope system										Cable name										Page / column			
Target designation										Connection point	Plug designation	Jumper	Device connection point	Target designation		Connection point	Cable type						
Function text																							
SPARE INPUT 5											1										/6.10		
SPARE INPUT 6											2									/6.11			
SPARE INPUT 4											3									/6.11			
MOVE BUTTON										WH	4									/6.12			
REAIM BUTTON										BK	5									/6.13			
ABORT BUTTON										BNRD	6									/6.14			
VALIDATE BUTTON										BNGN	7									/6.15			
AIM/AUDIT SWITCH										BNBU	8									/6.17			
GND											9									/6.18			
+24V										RDBU	10									/6.18			

Plug strip connection diagram

Function text									Cable name	Strip designation						Cable name					
										+A14-1A6-PL18											
										Plug digital outputs O 1.01-O 1.08 controlbox APS-board left Luminoscope system											
									Cable type	Target designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point	Cable type				
EM.STOP LAMP SIGNALTOWER												1								/7.2	
PARK LAMP SIGNALTOWER											2									/7.3	
SOUNDER SIGNALTOWER											3									/7.3	
SPARE LAMP SIGNALTOWER											4									/7.4	
LED START BUTTON											5									/7.5	
SPARE OUTPUT 1												6								/7.5	
SPARE OUTPUT 2											7									/7.6	
SPARE OUTPUT 3											8									/7.7	
GND											9									/7.8	
+24V											10									/7.8	

Plug strip connection diagram

Strip designation										+A14-1A6-PL19										Plug digital outputs O 1.09-O 1.16 controlbox APS-board left Luminoscope system									
Cable name										Cable type										Page / column									
Function text										Cable name										Cable type									
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Plug strip connection diagram

Strip designation										Cable name										Page / column									
+A14-1A6-PL22										Cable type																			
Spare plug for connection height detection bar on APS-board left Luminoscope system																													
Target designation										Connection point																			
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Plug strip connection diagram

Function text									Cable name	Strip designation <div>+A14-1A6-PL30</div> <div>Plug for connection pushbuttons manual UDLR movement on APS-board left Luminoscope system</div>						Cable name						Page / column
										Target designation	Connection point	Plug designation	Jumper	Device connection point	Target designation							
+24V												1								/5.13		
DIR 0 L/R MOVEMENT												2								/5.13		
DIR 1 L/R MOVEMENT												3								/5.14		
DIR 0 U/D MOVEMENT												4								/5.15		
DIR 1 U/D MOVEMENT												5								/5.16		
GND												6								/5.17		



Plug strip connection diagram

Strip designation										Strip designation										UNITRONIC® FD CP plus 10x0,14 mm²										Page / column									
+A14-3B2-PL13.1										+A14-3B2-PL13.1										+A14-3B2-PL13.1										+A14-3B2-PL13.1									
Plug encoder from Z-motormodule U/D movement left Luminoscope system										Plug encoder from Z-motormodule U/D movement left Luminoscope system										Plug encoder from Z-motormodule U/D movement left Luminoscope system										Plug encoder from Z-motormodule U/D movement left Luminoscope system									
Cable name										Cable type										Cable type										Cable type									
Function text										Target designation										Target designation										Target designation									
N.C.										-3B2	NC1	1			-1A6-PL13	1		BN				/3.3																	
+5V										-3B2	+5V	2			-1A6-PL13	2		RD				/3.3																	
GND										-3B2	GND	3			-1A6-PL13	3		PK				/3.4																	
N.C.										-3B2	NC2	4			-1A6-PL13	4		YE				/3.4																	
CHA-										-3B2	CHA-	5			-1A6-PL13	5		GN				/3.5																	
CHA+										-3B2	CHA+	6			-1A6-PL13	6		BU				/3.5																	
CHB-										-3B2	CHB-	7			-1A6-PL13	7		VT				/3.5																	
CHB+										-3B2	CHB+	8			-1A6-PL13	8		GY				/3.6																	
CH0-										-3B2	CH0-	9			-1A6-PL13	9		WH				/3.6																	
CH0+										-3B2	CH0+	10			-1A6-PL13	10		BK				/3.7																	

Plug strip connection diagram

Function text									Cable name	Strip designation +A14-4M2-PL15.1 Plug motor & brake Z-motormodule U/D movement left Luminoscope system						Cable name	W-A14-1A6-PL15/A14-4M2-PL15.1					Page / column
										Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point		ÖLFLEX® FD CLASSIC 810 5x0,75 mm²					
MOT-											1			-1A6-PL15	1		1					/4.3
MOT+											2											/4.5
BRAKE+											3			-1A6-PL15	3		3					/4.7
MOT+											4			-1A6-PL15	2		2					/4.4
=											5											/4.6
BRAKE-											6			-1A6-PL15	4		4					/4.8

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Plug strip connection diagram

Strip designation <b>+CLIENT-XS101.1</b> Plug COM-port hostcomputer supplied by Shenzhen or the end-user for RS232 communication with left Luminoscope										Cable name		Cable type				Page / column				
Target designation										Connection point	Plug designation	Jumper	Device connection point	Target designation		Connection point	Cable type			
Function text																				
	N.C.										1			+A12-XS101	1		1			/1.5
	RXD										2			+A12-XS101	2		2			/1.6
	TXD										3			+A12-XS101	3		3			/1.6
	=										4			+A12-XS101	4		4			/1.6
	N.C.										5			+A12-XS101	5		5			/1.7
	GND										6			+A12-XS101	6		6			/1.7
	N.C.										7			+A12-XS101	7		7			/1.8
	=										8			+A12-XS101	8		8			/1.8
	=										9			+A12-XS101	9		9			/1.8



+CABLE/1

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Cable overview

Cable name	Source (from)	Target (to)	Cable type	Number of conductors	Conductors used	Cross-section [mm²]	Function text	Graphical page of cable diagram
W-A1-XS0/A14-1A6-PL5	+A1-XS0	+A14-1A6-PL5	ÖLFLEX® FD CLASSIC 810	5	3	1,5	Cable 24Vdc compact power supply box -> APS-board Luminoscope	+CABLE/2
W-A12-XS101/CLIENT-XS101.1	+A12-XS101	+CLIENT-XS101.1	LET.KABAS SER-03,0-MV-9P	9	9	0.25	Cable RS232 interface optical unit Luminoscope <-> Hostcomputer supplied by Shenzhen or the end-user	+CABLE/3
W-A12-XS102/A14-1A6-PL7	+A12-XS102	+A14-1A6-PL7	KABUT 4P-PLATTEKABEL-RJ10	4	4	0,14	Cable canbus input APS-board from optical unit Luminoscope	+CABLE/4
W-A12-XS105/CLIENT-XS105.1	+A12-XS105	+CLIENT-XS105.1	LET.KABAS VGA-10,0-MM	10	10	0.25	Cable VGA output optical unit Luminoscope -> LCD screen supplied by Shenzhen or the end-user	+CABLE/5
W-A14-1A6-PL4/A12-XS100	+A12-XS100	+A14-1A6-PL4	ÖLFLEX® FD CLASSIC 810	2	2	0,75	Cable 24Vdc APS controller board -> optical unit Luminoscope	+CABLE/6
W-A14-1A6-PL9/A14-2B1-PL9.1	+A14-1A6-PL9	+A14-2B1-PL9.1	LET 0MOT503570100	4	4	0.14	Cable encoder L/R movement -> APS controller board Luminoscope	+CABLE/7
W-A14-1A6-PL10/A14-2SE6-PL10.1	+A14-1A6-PL10	+A14-2SE6-PL10.1	RKT 4-07/2M	4	3	0,34	Cable zero proximity switch L/R movement -> APS controller board Luminoscope	+CABLE/8
W-A14-1A6-PL11/A14-2SD10	+A14-1A6-PL11	+A14-2SD10-S1	UNITRONIC® LiYY	4	2	0,34	Cable limit switch L/R movement -> APS controller board Luminoscope	+CABLE/9
W-A14-1A6-PL13/A14-3B2-PL13.1	+A14-1A6-PL13	+A14-3B2-PL13.1	UNITRONIC® FD CP plus	10	10	0,14	Cable encoder U/D movement -> APS controller board Luminoscope	+CABLE/10
W-A14-1A6-PL14	+A14-1A6-PL14	+A14-PL14.1	UNITRONIC® LiYY	10	5	0,25	Cable zero & upper limit switch U/D movement -> APS controller board Luminoscope	+CABLE/11
		+A14-3SD10-S1						
W-A14-1A6-PL14/A14-3SD14	+A14-1A6-PL14	+A14-3SD14-S1	UNITRONIC® LiYY	4	2	0,25	Cable lower limit switch U/D movement -> APS controller board Luminoscope	+CABLE/12
W-A14-1A6-PL15/A14-4M2-PL15.1	+A14-1A6-PL15	+A14-4M2-PL15.1	ÖLFLEX® FD CLASSIC 810	5	4	0,75	Cable motor & brake U/D movement -> APS controller board Luminoscope	+CABLE/13
W-A14-1A6-PL22/A17	+A14-1A6-PL22	+A17-B1	LET 0CAB200100020	20	20	0.14	Cable height detection bar -> APS controller board Luminoscope	+CABLE/14
		+A17-B9						
		+A17-B2						
		+A17-B3						
		+A17-B4						
		+A17-B5						
		+A17-B6						
		+A17-B7						
		+A17-B8						
		+A17-B10						
		+A17-B11						
		+A17-B12						
		+A17-B13						
		+A17-B14						
		+A17-B15						
		+A17-B16						
W-A14-1A6/A11	+A11-3H16-X1	+A14-1A6-PL14	UNITRONIC® FD CP plus	25	21	0,25	Cable wiring I/O from pushbuttons & signaltower controlbox -> APS-board Luminoscope unit	+CABLE/15
	+A14-1A6-PL1	+A11-SSL6						
	+A14-1A6-PL17	+A11-SSN4						
	+A14-1A6-PL19	+A11-6S12						
		+A11-6SL14						
		+A11-6S15						
		+A11-6S16						
		+A11-6S17						
W-A14-3SE8	+A14-PL14.1	+A14-3SE8-S1	BI5-Q08-VP6X2	4	3	0,25	Cable zero proximity switch U/D movement Luminoscope	+CABLE/16
W-CLIENT/A1-XL0	+A1-XL0	L	ÖLFLEX® CLASSIC 100	3	3	1,5	220Vac power input compact power supply box Luminoscope system from power net client	+CABLE/17
		N						
		PE						

## Cable diagram

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## Cable diagram

[illegible]

## Cable diagram

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**L.E.T.**  
AUTOMOTIVE

			Date	19/04/2019	IDE190006-T5E01_ SAM-LVC1050-FM with height detection		VAARTLAAN 20 B-9800 DEINZE TEL:+32 (0)9 381 87 87 FAX:+32 (0)9 386 92 00 EMAIL:INFO@LET.BE	CAB: Cable interconnection diagram	Drawingnumber IDE190006-T5E01_	+ CABLE							
			Ed.	LET													
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Modification	Date	Name	Original								<table><tr><td></td><td>Page</td><td>6</td></tr><tr><td></td><td>Total</td><td>92</td></tr></table>		Page	6		Total	92
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**L.E.T.**  
AUTOMOTIVE

VAARTLAAN 20  
B-9800 DEINZE  
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CAB:  
Cable interconnection diagram

Drawingnumber  
IDE190006-T5E01\_

+ CABLE



## Cable diagram

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## Cable diagram

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**L.E.T.**  
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Cable interconnection diagram

Drawingnumber  
IDE190006-T5E01\_

+ CABLE

## Cable diagram

[illegible]

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## Cable diagram

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Cable diagram

Cable name		Cable type		No. of conductors		Cross-section	Cable length	Function text	
W-A14-1A6-PL22/A17		LET 0CAB200100020		20		0.14 mm²		Cable height detection bar -> APS controller board Luminoscope	
Function text		X-Ref	Target designation from	Connection point	Conductor	Target designation to	Connection point	X-Ref	Function text
+5V		+A14/8.3	+A14-1A6-PL22	1	1	+A17-B1	+	+A14/8.5	CEL 1
GND		+A14/8.3	+A14-1A6-PL22	2	2	+A17-B1	-	+A14/8.5	=
+5V		+A14/8.4	+A14-1A6-PL22	3	3	+A17-B9	+	+A14/8.13	CEL 9
GND		+A14/8.4	+A14-1A6-PL22	4	4	+A17-B9	-	+A14/8.13	=
CEL 1		+A14/8.5	+A14-1A6-PL22	5	5	+A17-B1	Q	+A14/8.5	CEL 1
CEL 2		+A14/8.6	+A14-1A6-PL22	6	6	+A17-B2	Q	+A14/8.6	CEL 2
CEL 3		+A14/8.7	+A14-1A6-PL22	7	7	+A17-B3	Q	+A14/8.7	CEL 3
CEL 4		+A14/8.8	+A14-1A6-PL22	8	8	+A17-B4	Q	+A14/8.8	CEL 4
CEL 5		+A14/8.9	+A14-1A6-PL22	9	9	+A17-B5	Q	+A14/8.9	CEL 5
CEL 6		+A14/8.10	+A14-1A6-PL22	10	10	+A17-B6	Q	+A14/8.10	CEL 6
CEL 7		+A14/8.11	+A14-1A6-PL22	11	11	+A17-B7	Q	+A14/8.11	CEL 7
CEL 8		+A14/8.12	+A14-1A6-PL22	12	12	+A17-B8	Q	+A14/8.12	CEL 8
CEL 9		+A14/8.13	+A14-1A6-PL22	13	13	+A17-B9	Q	+A14/8.13	CEL 9
CEL 10		+A14/8.13	+A14-1A6-PL22	14	14	+A17-B10	Q	+A14/8.13	CEL 10
CEL 11		+A14/8.14	+A14-1A6-PL22	15	15	+A17-B11	Q	+A14/8.14	CEL 11
CEL 12		+A14/8.15	+A14-1A6-PL22	16	16	+A17-B12	Q	+A14/8.15	CEL 12
CEL 13		+A14/8.16	+A14-1A6-PL22	17	17	+A17-B13	Q	+A14/8.16	CEL 13
CEL 14		+A14/8.17	+A14-1A6-PL22	18	18	+A17-B14	Q	+A14/8.17	CEL 14
CEL 15		+A14/8.18	+A14-1A6-PL22	19	19	+A17-B15	Q	+A14/8.18	CEL 15
CEL 16		+A14/8.19	+A14-1A6-PL22	20	20	+A17-B16	Q	+A14/8.19	CEL 16

Cable diagram


Cable name W-A14-1A6/A11	Cable type UNITRONIC® FD CP plus		No. of conductors 25		Cross-section 0,25 mm²	Cable length	Function text Cable wiring I/O from pushbuttons & signaltower controlbox -> APS-board Luminoscope unit		
Function text	X-Ref	Target designation from	Connection point	Conductor	Target designation to		Connection point	X-Ref	Function text
MOVE BUTTON	+A14/6.12	+A14-1A6-PL17	4	WH	+A11-6S12		13	+A14/6.12	MOVE BUTTON
	+A14/5.3	+A14-1A6-PL1	8	BN	+A11-5SN4		11	+A14/5.3	
START1	+A14/5.7	+A14-1A6-PL1	4	GN	+A11-5SL6		13	+A14/5.7	START1
+24V	+A14/5.6	+A14-1A6-PL1	5	YE	+A11-5SL6		14	+A14/5.7	=
GND	+A14/5.8	+A14-1A6-PL1	1	GY	+A11-5SL6		24	+A14/5.8	START2
+24V	+A14/5.5	+A14-1A6-PL1	6	PK	+A11-5SN4		24	+A14/5.4	EMERG. STOP2
LED START	+A14/5.7	+A14-1A6-PL1	3	BU	+A11-5SL6		X1	+A14/5.7	LED START
EMERG. STOP2	+A14/5.4	+A14-1A6-PL1	7	RD	+A11-5SN4		23	+A14/5.4	EMERG. STOP2
REAIM BUTTON	+A14/6.13	+A14-1A6-PL17	5	BK	+A11-6SL14		13	+A14/6.13	REAIM BUTTON
START2	+A14/5.8	+A14-1A6-PL1	2	VT	+A11-5SL6		23	+A14/5.8	START2
				GYPK					
+24V	+A14/6.18	+A14-1A6-PL17	10	RDBU	+A11-6S17		14	+A14/6.17	AIM/AUDIT SWITCH
PARK LAMP	+A14/3.18	+A11-3H16-X1	2	WHGN	+A14-1A6-PL14		11	+A14/3.18	PARK LAMP
VALIDATE BUTTON	+A14/6.15	+A14-1A6-PL17	7	BNGN	+A11-6S16		13	+A14/6.15	VALIDATE BUTTON
EM_ST LAMP	+A14/3.17	+A11-3H16-X1	1	WHYE	+A14-1A6-PL14		10	+A14/3.17	EM_ST LAMP
REAIM LAMP	+A14/7.14	+A14-1A6-PL19	5	YEBN	+A11-6SL14		X1	+A14/7.14	REAIM
SPARE LAMP	+A14/3.19	+A11-3H16-X1	4	WHGY	+A14-1A6-PL14		13	+A14/3.19	SPARE LAMP
				GYBN					
GND	+A14/7.17	+A14-1A6-PL19	9	WHPK	+A11-6SL14		X2	+A14/7.14	REAIM
				PKBN					
SOUNDER	+A14/3.19	+A11-3H16-X1	3	WHBU	+A14-1A6-PL14		12	+A14/3.19	SOUNDER
AIM/AUDIT SWITCH	+A14/6.17	+A14-1A6-PL17	8	BNBU	+A11-6S17		13	+A14/6.17	AIM/AUDIT SWITCH
				WHRD					
ABORT BUTTON	+A14/6.14	+A14-1A6-PL17	6	BNRD	+A11-6S15		13	+A14/6.14	ABORT BUTTON
GND	+A14/3.20	+A11-3H16-X1	C	WHBK	+A14-1A6-PL14		14	+A14/3.20	GND
				SH					



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			Date	19/04/2019	IDE190006-T5E01_ SAM-LVC1050-FM with height detection		VAARTLAAN 20 B-9800 DEINZE TEL:+32 (0)9 381 87 87 FAX:+32 (0)9 386 92 00 EMAIL:INFO@LET.BE	CAB: Cable interconnection diagram	Drawingnumber IDE190006-T5E01_	+ CABLE							
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Modification	Date	Name	Original								<table><tr><td></td><td>Page</td><td>17</td></tr><tr><td></td><td>Total</td><td>92</td></tr></table>		Page	17		Total	92
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List bill of material

Device tag	Quantity	Designation	Type number	Supplier	Supplier-ordercode	LET-reference number
+A1	1	Compact enclosure, 300x200x155mm, RAL 7035, with mounting plate	AE 1035.500	Rittal	AE 1035.500	KAST RIT-1035500-AE
+A1	3	End clamp for assembly on NS35/7,5 DIN rail	E/UK	Phoenix Contact	1201442	KLEM DIVERS-S-ES-NS35
+A1	1	Terminal strip marker for strip marking, snap onto end bracket E/UK	KLM	Phoenix Contact	1004306	MARK KLE-KLM
+A1	1	Brass cable gland PG11	NIP NIPP-P11.0-MS	LET	NIP NIPP-P11.0-MS	NIP NIPP-P11.0-MS
+A1	1	Brass hex. fixation nut for cable gland PG11	NIP MOER-P11.0-MS	LET	NIP MOER-P11.0-MS	NIP MOER-P11.0-MS
+A1	1	CE-label 38x38mm	MARK STI-CE-38x38	LET	MARK STI-CE-38x38	MARK STI-CE-38x38
+A1	1	Identification label-warning hazardous voltage 5cm	MARK STI-ELECTRISCHE-SPANNING-5CM	LET	MARK STI-ELECTRISCHE-SPANNING-5CM	MARK STI-ELECTRISCHE-SPANNING-5CM
+A1	1	Set of 4 wall mount brackets	KL 1580.000	Rittal	KL 1580.000	KAST RIT-1580000-KL
+A1-1G8	1	QUINT POWER supply for DIN rail mounting with SFB 100-240 VAC/24 VDC/10A	QUINT-PS/ 1AC/24DC/10	PXC	2866763	VOED INB-230V-024VDC-240W
+A1-1H15	1	Base with LED 24Vdc, color : white	ZB4-BVB1	Schneider Electric	ZB4-BVB1	BEDEL TM -LAMPH-ZB4-BVB1
+A1-1H15	1	Head for white pilot light with LED 24Vdc, color : white	ZB4-BV013	SE	ZB4BV013	BEDEL TM -ONDER-ZB4-BV013
+A1-1H15	1	Standard legend holder 30x40mm for 8x27mm legends	ZBZ-32	Schneider Electric	ZBZ-32	BEDEL TM -TOEBE-ZBZ-32
+A1-1S3	1	On-Off switch, thumb-grip red, 2p, Ie=12A, FS 0-1, 90°, 48x48 mm, flush mounting	T0-1-102/E-RT	Eaton/Moeller	009046	HFSCM KM -TO-1-102/E-RT
+A1-1S3	1	Carrier, +label, open main switch only in 0 position, EN, for T0, T3, P1	ZFS62-T0	Eaton/Moeller	205534	
+A1-XL0	2	Feed-through terminal block, Spring-cage connection, 0.08-4 mm², gray	ST 2,5	Phoenix Contact	3031212	KLEM ST-0.08-2.5-V
+A1-XL0	4	Spring cage ground terminal block, 0.08-4 mm², green-yellow	ST 2,5-PE	Phoenix Contact	3031238	KLEM ST-0.08-2.5-V-AARDING
+A1-XL0	1	End cover, Length: 48.6 mm, Width: 2.2 mm, Height: 29.1 mm, Color: gray	D-ST 2,5	Phoenix Contact	3030417	KLEM DIVERS- - EP-ST
+A1-XL0	1	Terminal strip marker for strip marking, snap onto end bracket E/UK	KLM	Phoenix Contact	1004306	MARK KLE-KLM
+A1-1XL8	1	Glas tube fuse 5x20mm, time-delay, 250Vac, 5A	ZEKER BUI-5A-T	LET	ZEKER BUI-5A-T	ZEKER BUI-5A-T
+A1-1XL8	1	Spring-cage fuse terminal block for cartridge fuse inserts with screw cap, 0.5 - 6 mm², black	ZFK 6-DREHSILA 250 (5X20)	Phoenix Contact	3025590	KLEM DIVERS- - ZFK6-DREHSILA250
+A1-1XL9	1	Glas tube fuse 5x20mm, time-delay, 250Vac, 5A	ZEKER BUI-5A-T	LET	ZEKER BUI-5A-T	ZEKER BUI-5A-T
+A1-1XL9	1	Spring-cage fuse terminal block for cartridge fuse inserts with screw cap, 0.5 - 6 mm², black	ZFK 6-DREHSILA 250 (5X20)	Phoenix Contact	3025590	KLEM DIVERS- - ZFK6-DREHSILA250
+A1-XS0	1	Housing, bulkhead mounted housing with 1 lever	09 30 006 0301	Harting	09 30 006 0301	CONHA HOUS-06P-CLA-DOORVOER
+A1-XS0	1	Female insert, Han 6 E; 6 poles + PE, screw terminals	09 33 006 2701	Harting	09 33 006 2701	CONHA E -06P-CBF-
+A11-3H16	1	Signaling column element, base/plastic foot with pipe, plastic	XVB-Z02	Telemecanique	XVB-Z02	BEDEL TM -LICHT-XVB-Z02
+A11-3H16-H1	1	Signaling column element, steady light red 24VDC	XVB-C34	Telemecanique	XVB-C34	BEDEL TM -LICHT-XVB-C34
+A11-3H16-H1	1	Incandescent 024,0V 006,0W BA15D	LAMP SI-024,0V-006,0W-BA15D	LET	LAMP SI-024,0V-006,0W-BA15D	LAMP SI-024,0V-006,0W-BA15D
+A11-3H16-H2	1	Signaling column element, steady light green 24VDC	XVB-C33	Telemecanique	XVB-C33	BEDEL TM -LICHT-XVB-C33
+A11-3H16-H2	1	Incandescent 024,0V 006,0W BA15D	LAMP SI-024,0V-006,0W-BA15D	LET	LAMP SI-024,0V-006,0W-BA15D	LAMP SI-024,0V-006,0W-BA15D
+A11-3H16-H3	1	Signaling column element, buzzer module 90dB 24VDC	XVB-C9B	Telemecanique	XVB-C9B	BEDEL TM -LICHT-XVB-C9B
+A11-3H16-X1	1	Signaling column element, connection element with cover 24VDC	XVB-C21	Telemecanique	XVB-C21	BEDEL TM -LICHT-XVB-C21
+A11-6S12	1	Blue flush pushbutton head Ø22 spring return unmarked	ZB4-BA6	Schneider Electric	ZB4-BA6	BEDEL TM-ONDER-ZB4-BA6
+A11-6S12	1	Contactholder+1NO contact block	ZB4-BZ101	Schneider Electric	ZB4-BZ101	BEDEL TM-DRKKN-ZB4-BZ101
+A11-6S12	1	Legend holder 30x50mm for snapping on labels size 17x28mm	ZBZ-33	Schneider Electric	ZBZ-33	BEDEL TM-TOEBE-ZBZ-33
+A11-6S15	1	Red flush pushbutton head Ø22 spring return unmarked	ZB4-BA4	Schneider Electric	ZB4-BA4	BEDEL TM-ONDER-ZB4-BA4
+A11-6S15	1	Contactholder+1NO contact block	ZB4-BZ101	Schneider Electric	ZB4-BZ101	BEDEL TM-DRKKN-ZB4-BZ101
+A11-6S15	1	Legend holder 30x50mm for snapping on labels size 17x28mm	ZBZ-33	Schneider Electric	ZBZ-33	BEDEL TM-TOEBE-ZBZ-33
+A11-6S16	1	Black Ø40 mushroom pushbutton head Ø22 spring return	ZB4-BC2	Schneider Electric	ZB4-BC2	BEDEL TM-ONDER-ZB4-BC2
+A11-6S16	1	Contactholder+1NO contact block	ZB4-BZ101	Schneider Electric	ZB4-BZ101	BEDEL TM-DRKKN-ZB4-BZ101
+A11-6S16	1	Legend holder 30x50mm for snapping on labels size 17x28mm	ZBZ-33	Schneider Electric	ZBZ-33	BEDEL TM-TOEBE-ZBZ-33
+A11-6S17	1	Black selector switch head Ø22 2-position stay put	ZB4-BD2	Schneider Electric	ZB4-BD2	BEDEL TM-ONDER-ZB4-BD2
+A11-6S17	1	Contactholder+1NO contact block	ZB4-BZ101	Schneider Electric	ZB4-BZ101	BEDEL TM-DRKKN-ZB4-BZ101
+A11-6S17	1	Legend holder 30x50mm for snapping on labels size 17x28mm	ZBZ-33	Schneider Electric	ZBZ-33	BEDEL TM-TOEBE-ZBZ-33
+A11-5SL6	1	Green flush illuminated pushbutton head Ø22 spring return for integral LED	ZB4-BW333	Schneider Electric	ZB4BW333	BEDEL TM -ONDER-ZB4-BW333
+A11-5SL6	1	Green light block with body/fixing collar with integral LED 24V & 1NO+1NC contact block	ZB4-BW0B35	Schneider Electric	ZB4-BW0B35	BEDEL TM -DRKVE-ZB4-BW0B35
+A11-5SL6	1	Contact block 1NO contact	ZBE-101	Schneider Electric	ZBE-101	BEDEL TM-ONDER-ZBE-101
+A11-5SL6	1	Legend holder 30x50mm for snapping on labels size 17x28mm	ZBZ-33	Schneider Electric	ZBZ-33	BEDEL TM-TOEBE-ZBZ-33
+A11-6SL14	1	Red flush illuminated pushbutton head Ø22 spring return for integral LED	ZB4-BW343	Schneider Electric	ZB4BW343	BEDEL TM -ONDER-ZB4-BW343
+A11-6SL14	1	Red light block with body/fixing collar with integral LED 24V & 1NO+1NC contact block	ZB4-BW0B45	Schneider Electric	ZB4-BW0B45	BEDEL TM -DRKVE-ZB4-BW0B45
+A11-6SL14	1	Legend holder 30x50mm for snapping on labels size 17x28mm	ZBZ-33	Schneider Electric	ZBZ-33	BEDEL TM-TOEBE-ZBZ-33
+A11-5SN4	1	Red Ø40 Emergency stop,switching off head Ø22 trigger and latching turn release	ZB4-BS844	Schneider Electric	ZB4-BS844	BEDEL TM-ONDER-ZB4-BS844
+A11-5SN4	1	Contactholder+1NO contact block	ZB4-BZ101	Schneider Electric	ZB4-BZ101	BEDEL TM-DRKKN-ZB4-BZ101
+A11-5SN4	1	Contact block 1NC contact	ZBE-102	Schneider Electric	ZBE-102	BEDEL TM-ONDER-ZBE-102
+A11-5SN4	1	Marked legend Ø60 for emergency stop - EMERGENCY STOP/logo ISO13850	ZBY-9330	Telemecanique	ZBY-9330	BEDEL TM-TOEBE-ZBY-9330
+A12	1	Complete assembled optical unit type LVCI1060 (ACS200)-12 cells	EP 051018F00OPT/	LET	EP 051018F00OPT/	EP 051018F00OPT
+A14-1A6	1	APS control board for APS control unit type PLM	HFPRI 090338C00KOL/	LET	HFPRI 090338C00KOL/	HFPRI 090338C00KOL/

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			Date	19/04/2019	IDE190006-T5E01_ SAM-LVC1050-FM with height detection		VAARTLAAN 20 B-9800 DEINZE TEL:+32 (0)9 381 87 87 FAX:+32 (0)9 386 92 00 EMAIL:INFO@LET.BE	BOM: List bill of material	Drawingnumber IDE190006-T5E01_	+ BOM		
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