L.E.T. Automotive N.V.

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Created on

Edit date

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Headlamp aiming systems

Driver assistance sensor aiming

Vision applications

LET-Project number IDE190006 Luminoscope system SAM-LVC1050-FM with height detection bar Project description L.E.T. Automotive N.V. Manufacturer Vaartlaan 20 B-9800 Deinze IDE190006 Project number Responsible for project Pieter Delforche ShenZhen Promise Customer 2B, Building 105, TaoYuan Village Nanshan District, Shenzhen City China IDE190006-T5E01 Drawing number SAM-LVC1050-FM with height detection Supply from cabinet Installation 1~220VAC+PE Main power supply Type 50Hz /10A Frequence / Net Location 2 24Vdc Quantity Control voltage **LET Canbus** SPS/PLC System 2019 Year of construction

			Date	19/04/2019	IDE190006-T5E01
			Ed.	LET	SAM-LVC1050-FM with height detection
			Appr		
Modification	Dato	Namo	Original		

19/04/2019

19/04/2019



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Information INF: Title page Drawingnumber IDE190006-T5E01_

+ INF

Number of pages

92

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Total 9

Revision overview Revision name Revision comment Creator Date Reason for revision change Page name Revision description 3 VAARTLAAN 20
B-9800 DEINZE
TEL:+32 (0)9 381 87 87
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EMAIL:INFO@LET.BE IDE190006-T5E01_ SAM-LVC1050-FM with height detection 19/04/2019 Date Information INF: Revision history Drawingnumber + INF Ed. LET IDE190006-T5E01_ Page Total **2** 92 Appr Modification Date Original

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+GRAPH/9	Graphical pages GRAPH: Layout APS controller board left Luminoscope system +A14-1A6	19/04/2019	LET
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+A12/1	Optical unit/light box Luminoscope +A12: plugs & wiring 24Vdc power input, RS232 interface + canbus interface	19/04/2019	LET
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+A14/1	APS-controller board +A14 Luminoscope: plugs & wiring 24Vdc power in/out + input/output Canbus interface	19/04/2019	LET
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+A14/7	APS-controller board +A14 Luminoscope: plugs output signals APS-board & connection with leds illuminated pushbuttons controlbox Luminoscope	19/04/2019	LET

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+CLIENT/1	Provisions by the customer/Shenzhen +CLIENT: Hostcomputer supplied by Shenzhen for serial communication with Luminoscope system	19/04/2019	LET
+TERM/1	TERM: Terminal strip summary	19/04/2019	LET
+TERM/2	TERM: Terminal strip connection diagram	19/04/2019	LET
+TERM/3	TERM: Terminal strip connection diagram	19/04/2019	LET
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+PLUG/28	TERM: Connector strip connection diagram	19/04/2019	LET

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Page description

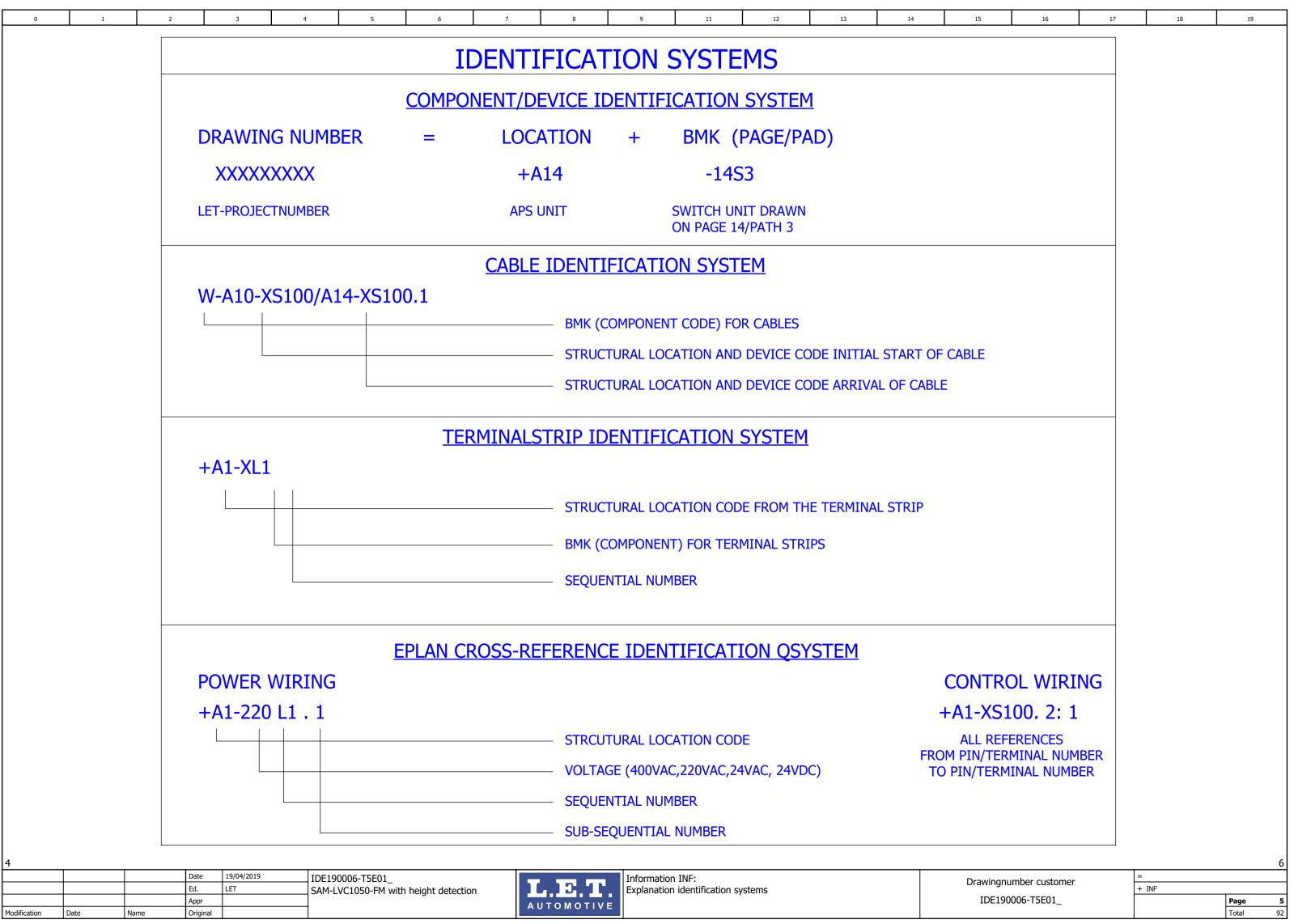
Page description

Page	Page description	Date	Edited by
+PLUG/29	TERM: Connector strip connection diagram	19/04/2019	LET
+PLUG/30	TERM: Connector strip connection diagram	19/04/2019	LET
+PLUG/31	TERM: Connector strip connection diagram	19/04/2019	LET
+PLUG/32	TERM: Connector strip connection diagram	19/04/2019	LET
+PLUG/33	TERM: Connector strip connection diagram	19/04/2019	LET
+PLUG/34	TERM: Connector strip connection diagram	19/04/2019	LET
+PLUG/35	TERM: Connector strip connection diagram	19/04/2019	LET
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+CABLE/16	CAB: Cable interconnection diagram	19/04/2019	LET
+CABLE/17	CAB: Cable interconnection diagram	19/04/2019	LET
+BOM/1	BOM: List bill of material	19/04/2019	LET
+BOM/1.a	BOM: List bill of material	19/04/2019	LET
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EMAIL:INFO@LET.BE 19/04/2019 Date Information INF: Table of contents IDE190006-T5E01_ Drawingnumber + INF Ed. LET SAM-LVC1050-FM with height detection IDE190006-T5E01_ Page Total **3.b** 92 Appr Modification Date Original

Structure identifier overview (Location overview) Full designation Structure description +INF General information +GRAPH Graphical layout drawings +A1 Compact power supply box Luminoscope system SAM-LVC1050-FM +A11 Control-/signalmodule Luminoscope system SAM-LVC1050-FM +A12 Optical unit Luminoscope system SAM-LVC1050-FM APS controller unit Luminoscope system SAM-LVC1050-FM +A14 +A17 Height detection bar Luminoscope system SAM-LVC1050-FM +CLIENT Provisions by the customer +TERM Terminal strip overview & connection diagrams +PLUG Plug/Connector strip overview & connection diagrams +CABLE Cable summary & connection diagrams +BOM List bill of material 19/04/2019 IDE190006-T5E01_ Information INF: Drawingnumber AUTOMOTIVE

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EMAIL:INFO@LET.BE + INF LET SAM-LVC1050-FM with height detection Structural function & location overview IDE190006-T5E01_ Appr Page Total Modification Date



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IDENTIFICATION SYSTEMS

MARKING DEVICES

COMPONENT: 1x SELF-ADHESIVE LABEL LOCATED ABOVE THE COMPONENT PHOENXI CONTACT TYPE EMLP (20X8)

TERMINAL STRIPS: GROUP MARKER CARRIER FOR SNAPPING INTO END STOPS PHOENIX CONTACT TYPE KLM

+LABELING INSERT MARKER PHOENIX CONTACT TYPE US-EMP (25x6MM)

TERMINALS: MARKER FOR TERMINAL BLOCKS PHOENIX CONTACT TYPE UCT-TM 5

CABLES: MARKED AT BOTH ENDS WITH PLASTIC CABLE MARKER PHOENIX CONTACT TYPE KMK2

+LABELING INSERT MARKER PHOENIX CONTACT TYPE US-EMP (29x8MM)

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

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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 ABBREVATION	COLOR	COLOR ABBREVATION	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			

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TERMINAL SIZES					
DESCRIPTION CIRCUIT	POTENTIAL	WIRE COLOR			
PRIMARY POWER CIRCUITS 400VAC	L1/L2/L3/N	0.08-2.5mm ² -TERMINALS Phoenix Contact ST-Series GREY			
GROUNDING PRIMARY POWER CIRCUITS 400/220VAC	PE	0.08-2.5mm ² -TERMINALS Phoenix Contact ST-Series GREEN-YELLOW			
POWER CIRCUITS UPSTREAM DISCONNECT SWITCH	L1/L2/L3/N	0.08-2.5mm ² -TERMINALS Phoenix Contact ST-Series GREY			
CONTROL CIRCUITS	220 VAC	0.08-2.5mm ² -TERMINALS Phoenix Contact ST-Series GREY			
CONTROL CIRCUITS	24 VAC	0.08-2.5mm ² -TERMINALS Phoenix Contact ST-Series GREY			
CONTROL CIRCUITS	0 VAC	0.08-2.5mm ² -TERMINALS Phoenix Contact ST-Series GREY			
CONTROL CIRCUITS	24 VDC	0.08-2.5mm ² -TERMINALS Phoenix Contact ST-Series GREY			
CONTROL CIRCUITS	0 VDC	0.08-2.5mm ² -TERMINALS Phoenix Contact ST-Series GREY			
GROUNDING PRIMARY CONTROL CIRCUITS	PE	0.08-2.5mm ² -TERMINALS Phoenix Contact ST-Series GREEN-YELLOW			
INTERLOCK CIRCUITS	L1/L2/L3	0.08-2.5mm ² -TERMINALS Phoenix Contact ST-Series ORANGE			

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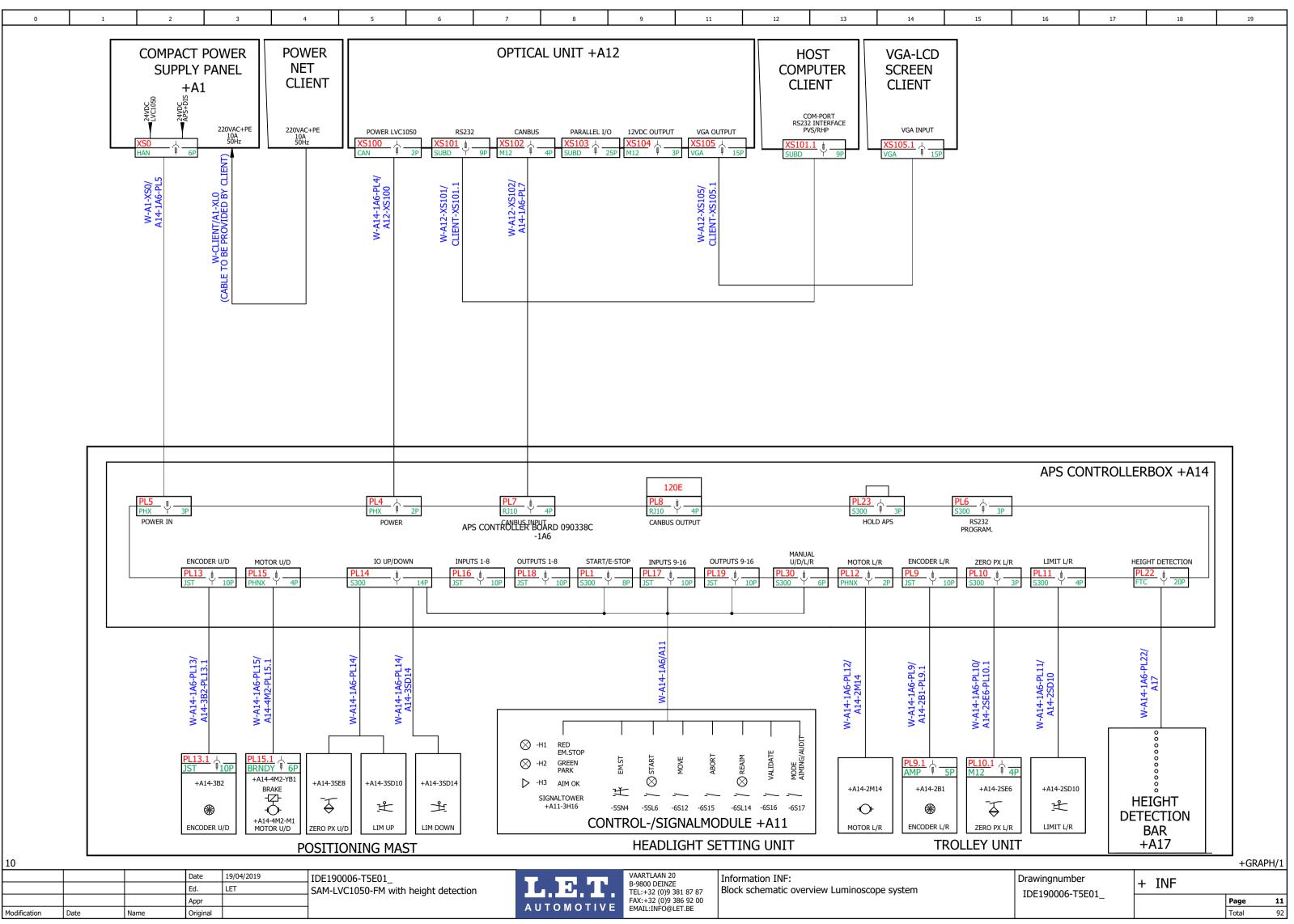
BMK (COMPONENT IDENTIFICATION) / LOCATION

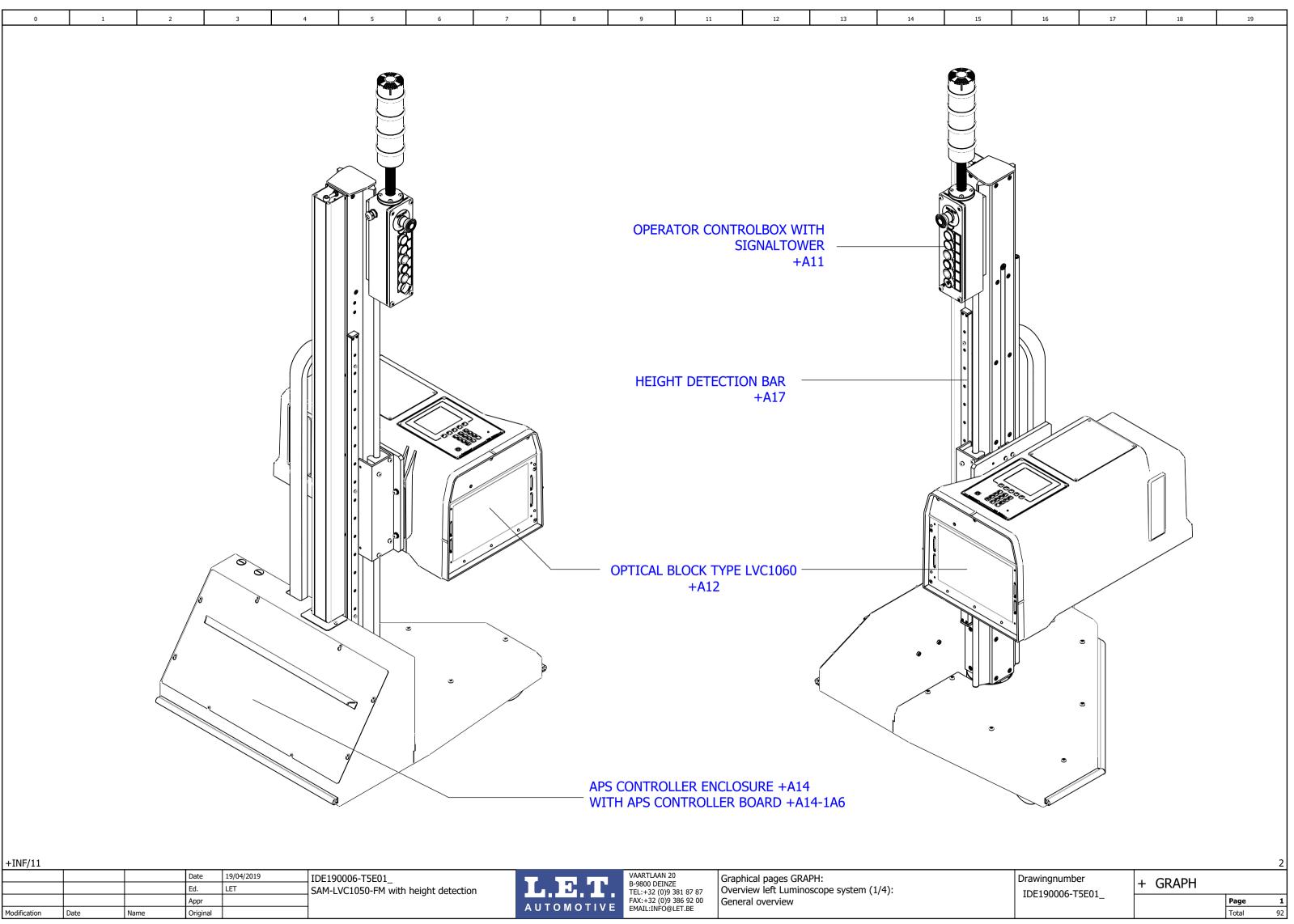
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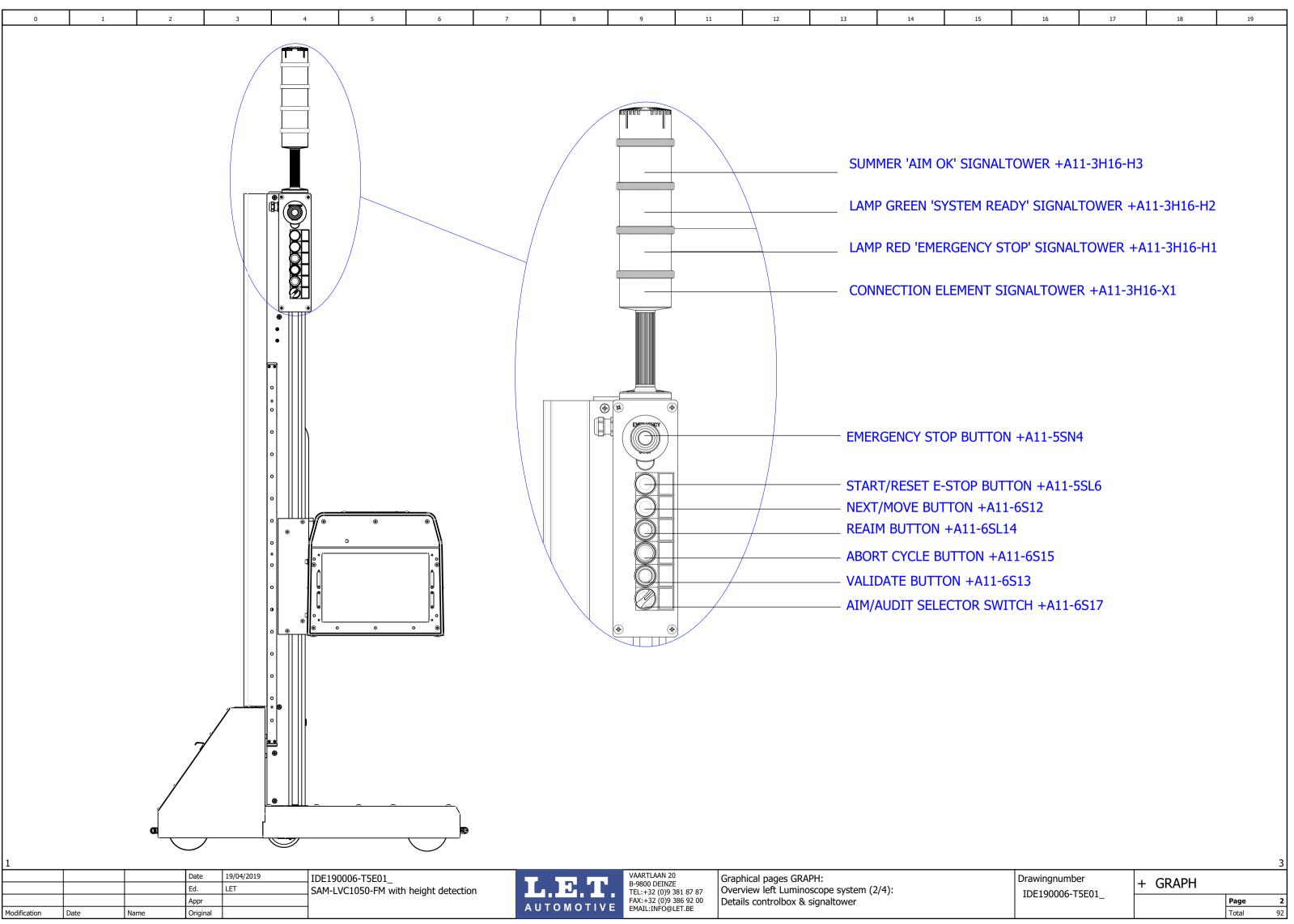
CHARACTER	ADD-ON	PURPOSE OF COMPONENT
S		SWITCH (GENERAL)
S	E	PROXIMITY SWITCH
S	D	MECHANICAL ACTIVATED SWITCH
S	L	ILLUMINATED SWITCH
S	N	EMERGENCY STOP SWITCH
S	Р	PROGRAMMABLE SWITCH
S	W	SELECTORSWITCH
X		CONNECTION DEVICE (GENERAL)
X	L	TERMINAL STRIP
X	S	CONNECTION PLUG

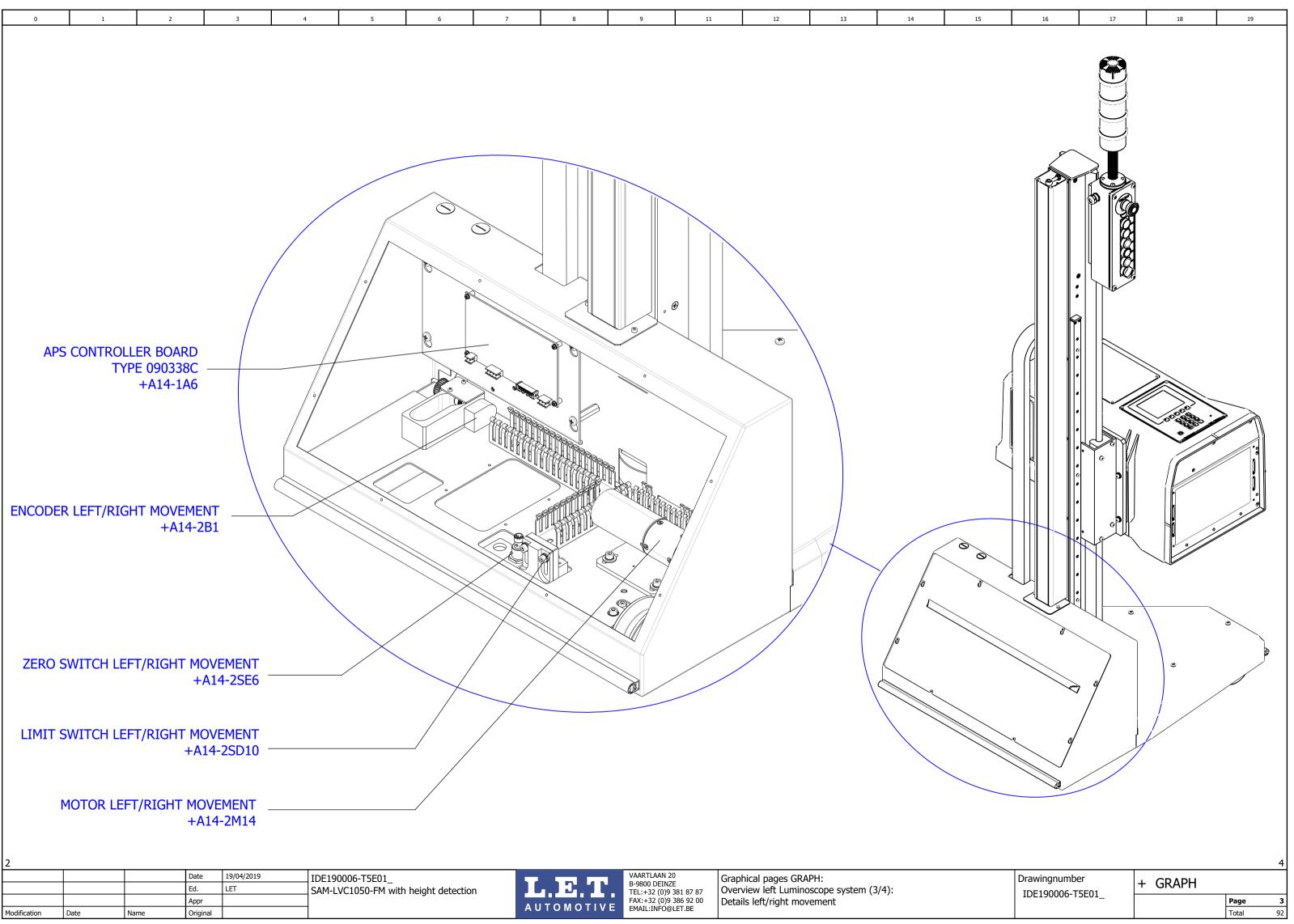
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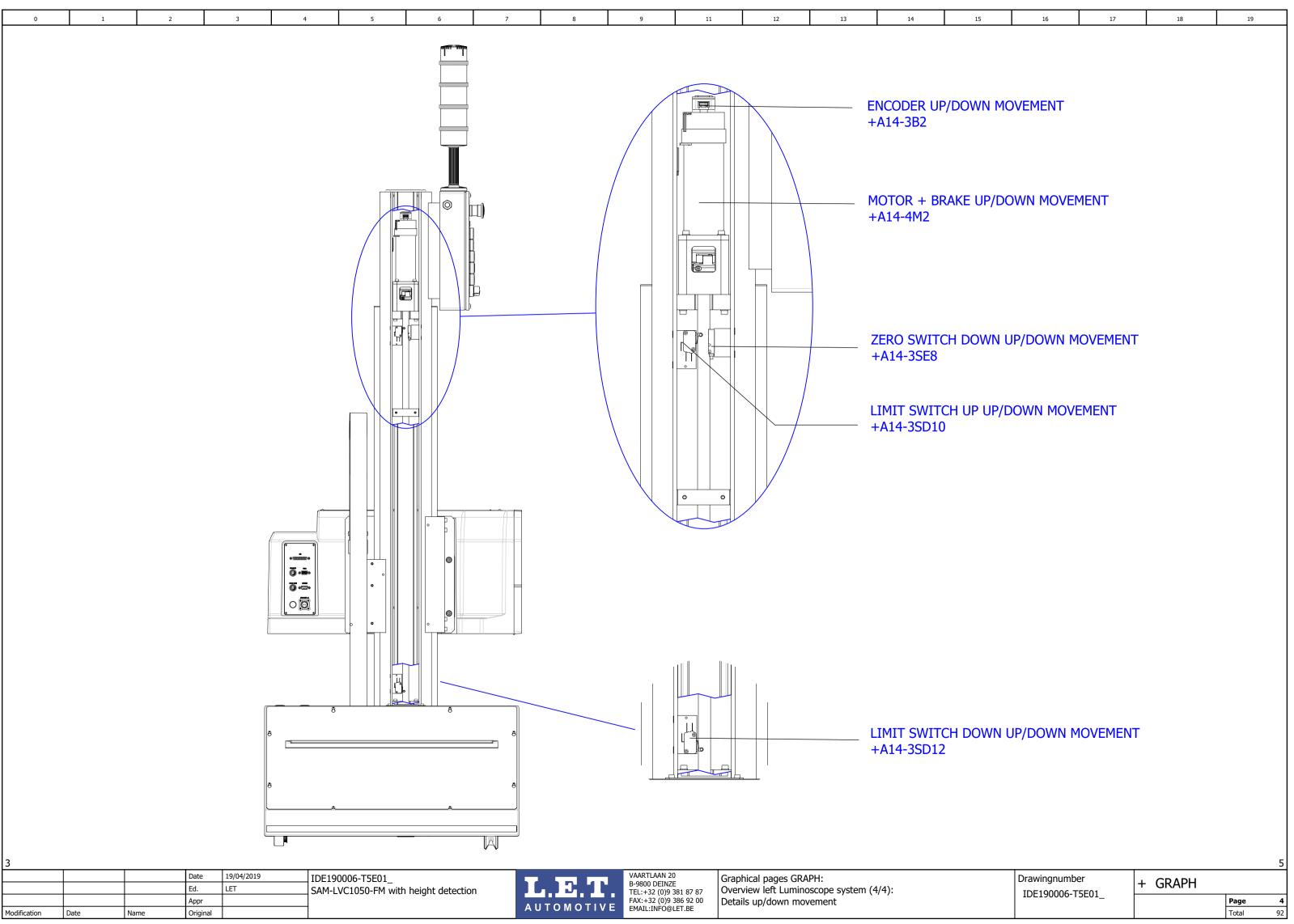


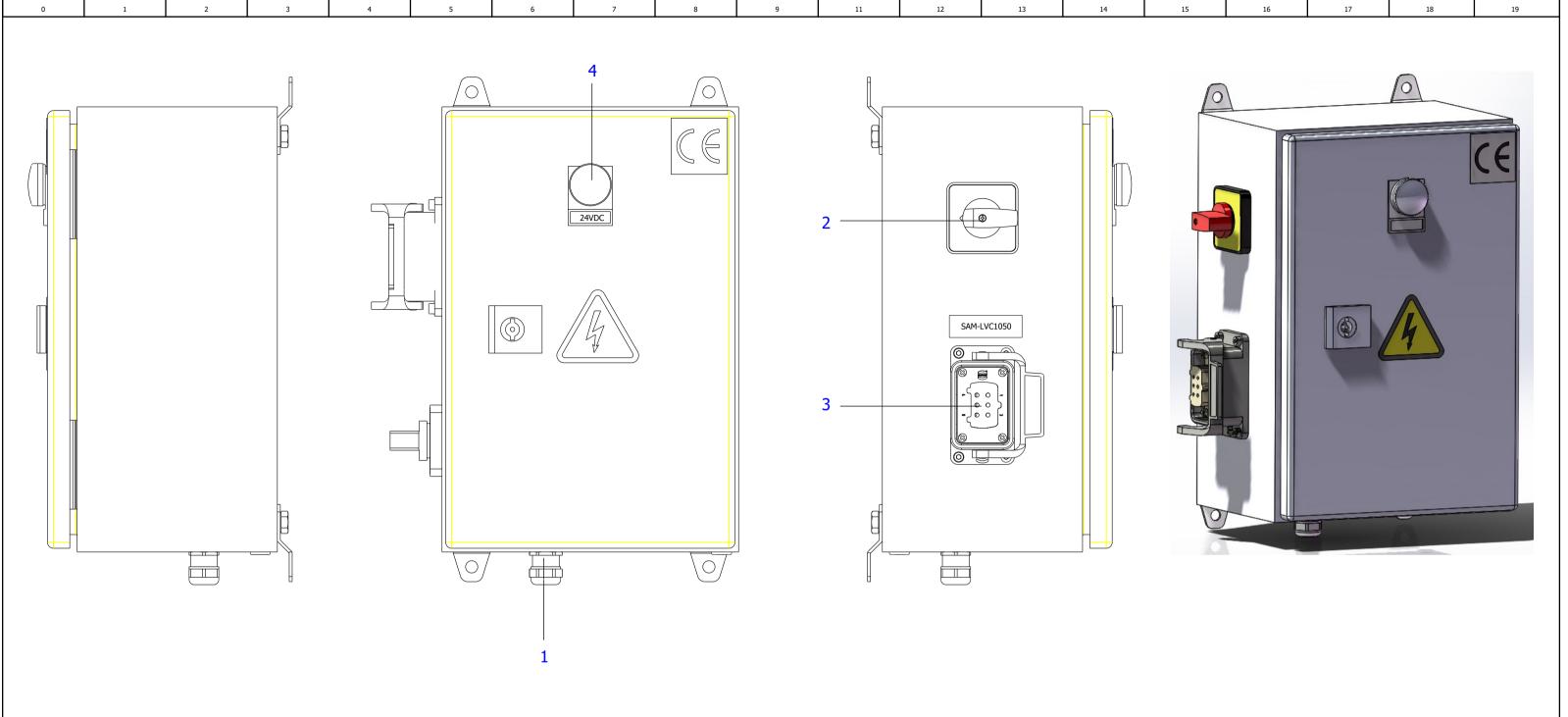












POS.	NAME	<u>FUNCTION</u>
1	1	CABLE GLAND FOR CABLE 220VAC INPUT FOM POWER NET CLIENT
2	+A1-1S3	MAIN ON/OFF SWITCH
3	+A1-XS0	PLUG 24VDC POWER SUPPLY -> LUMINOSCOPE HEADLAMP AIMING SYSTEM
4	+A1-1H15	PILOT LIGHT WITH INDICATION PRESENCE 24VDC POWER SUPPLY

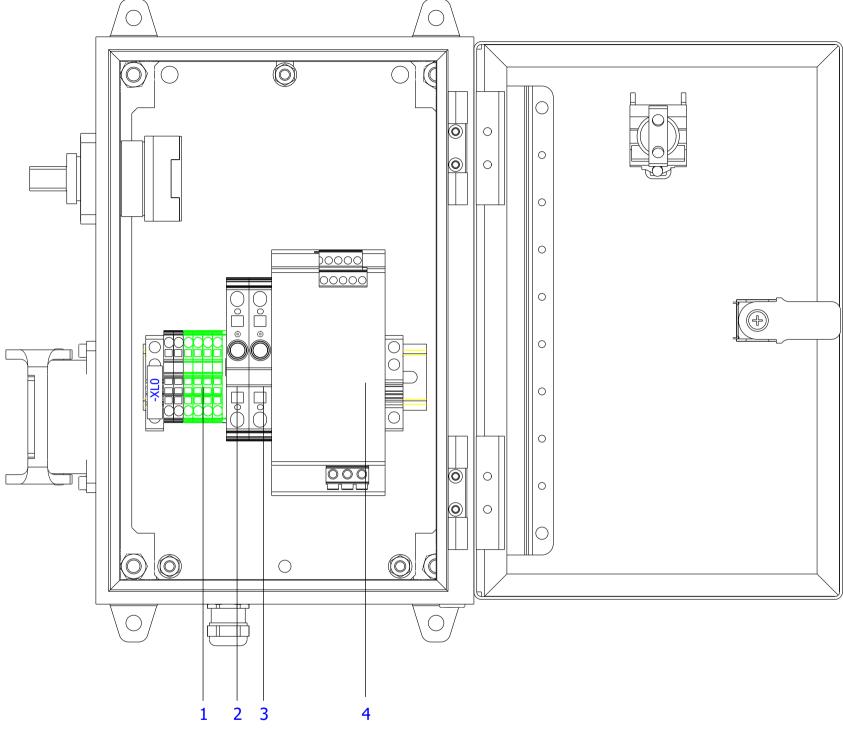
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Graphical pages GRAPH: Compact power supply panel left Luminoscope system +A1: Exterior layout & component description

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FRONT VIEW WITH OPEN DOOR



POS.	NAME	FUNCTION
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

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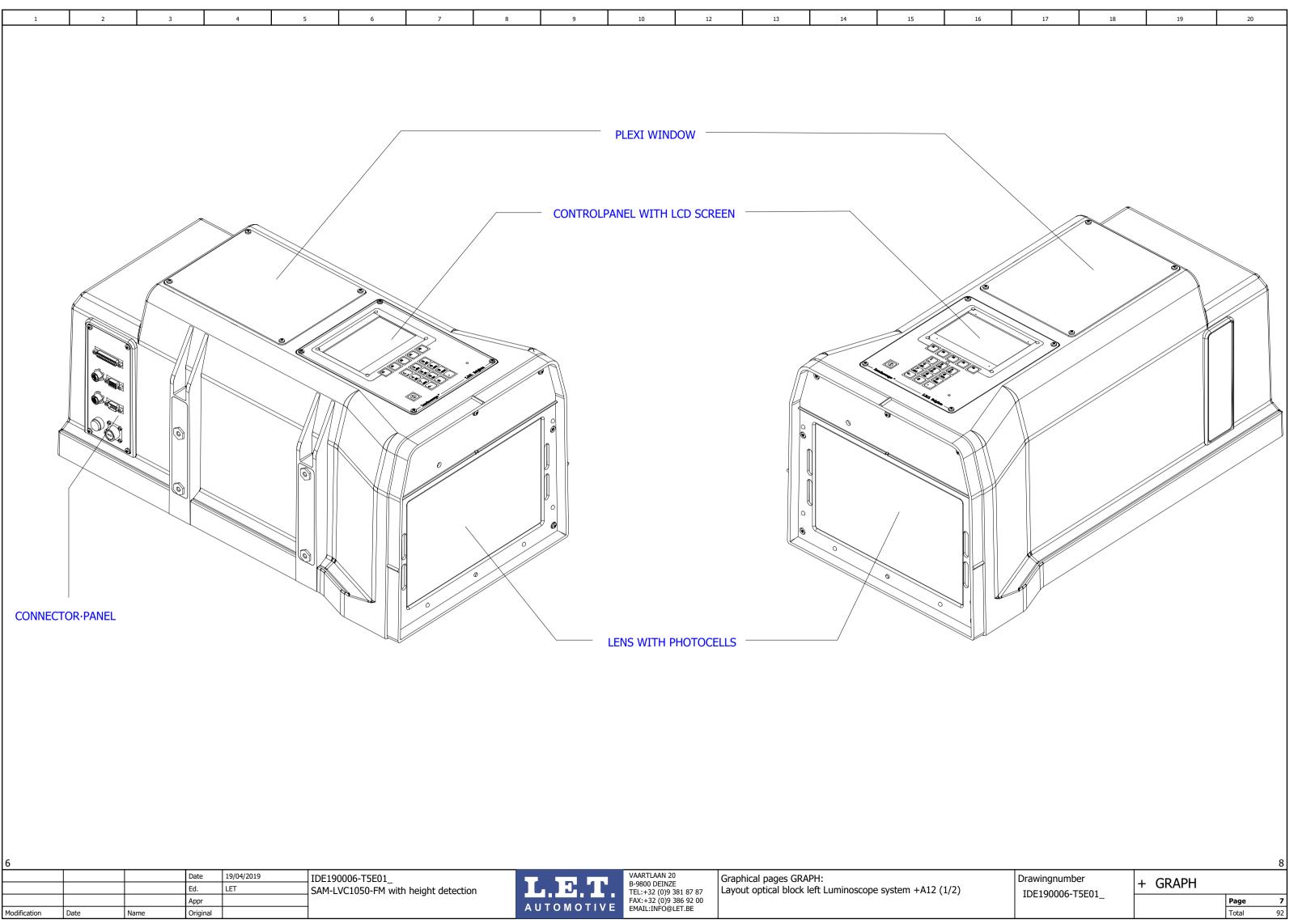
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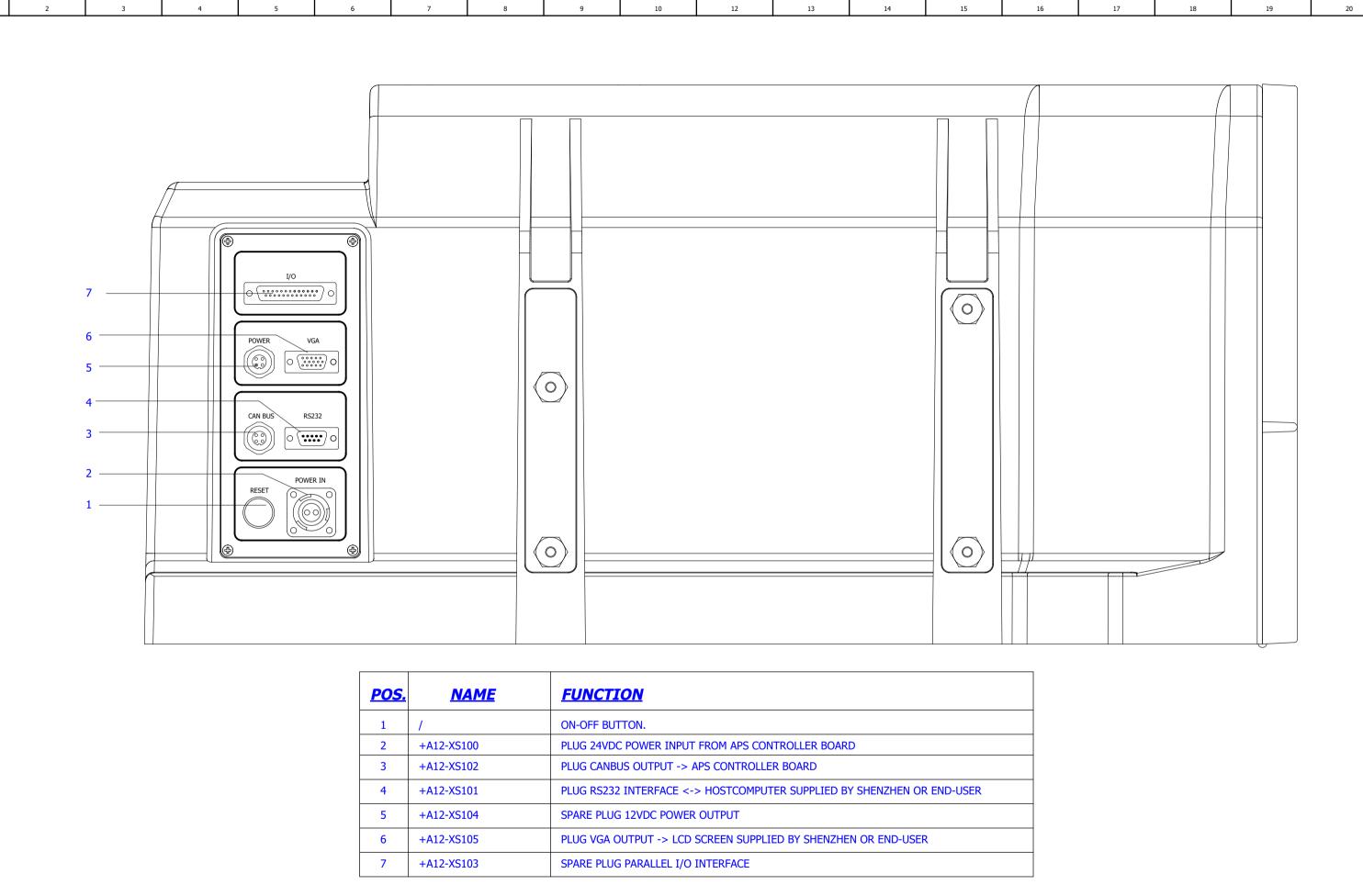
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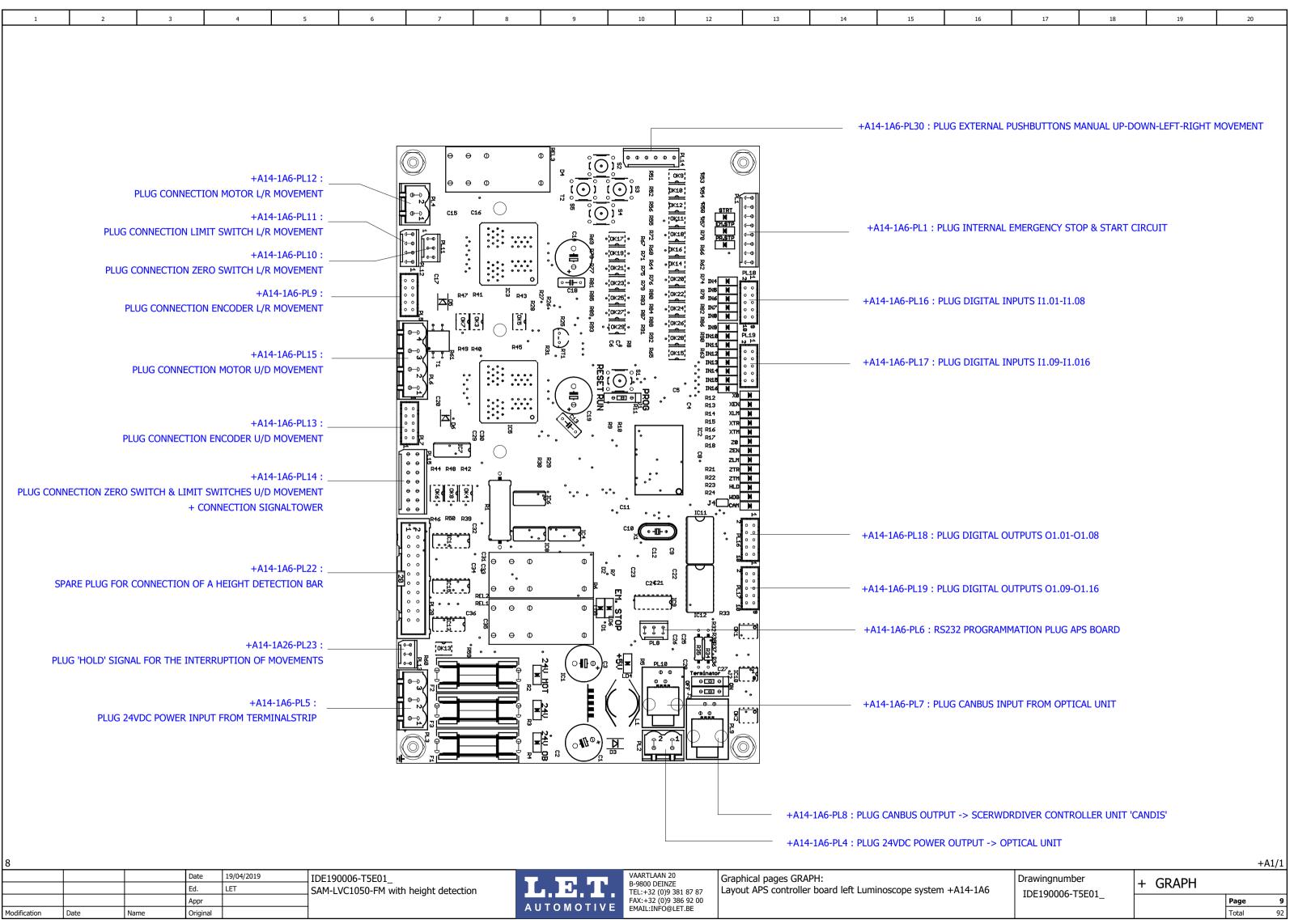
Graphical pages GRAPH: Compact power supply panel left Luminoscope system +A1: Interior layout & component description Drawingnumber IDE190006-T5E01_ + GRAPH

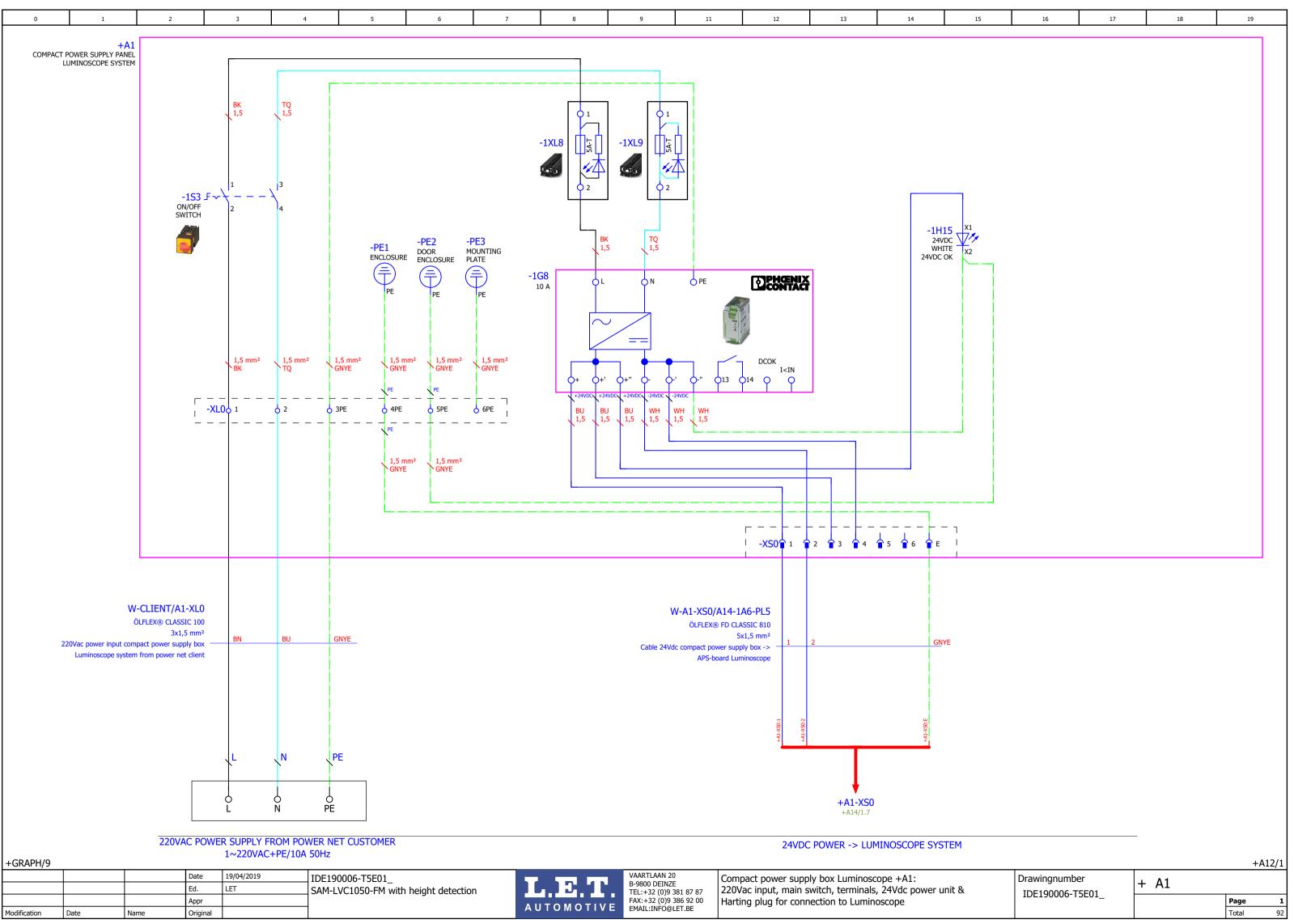
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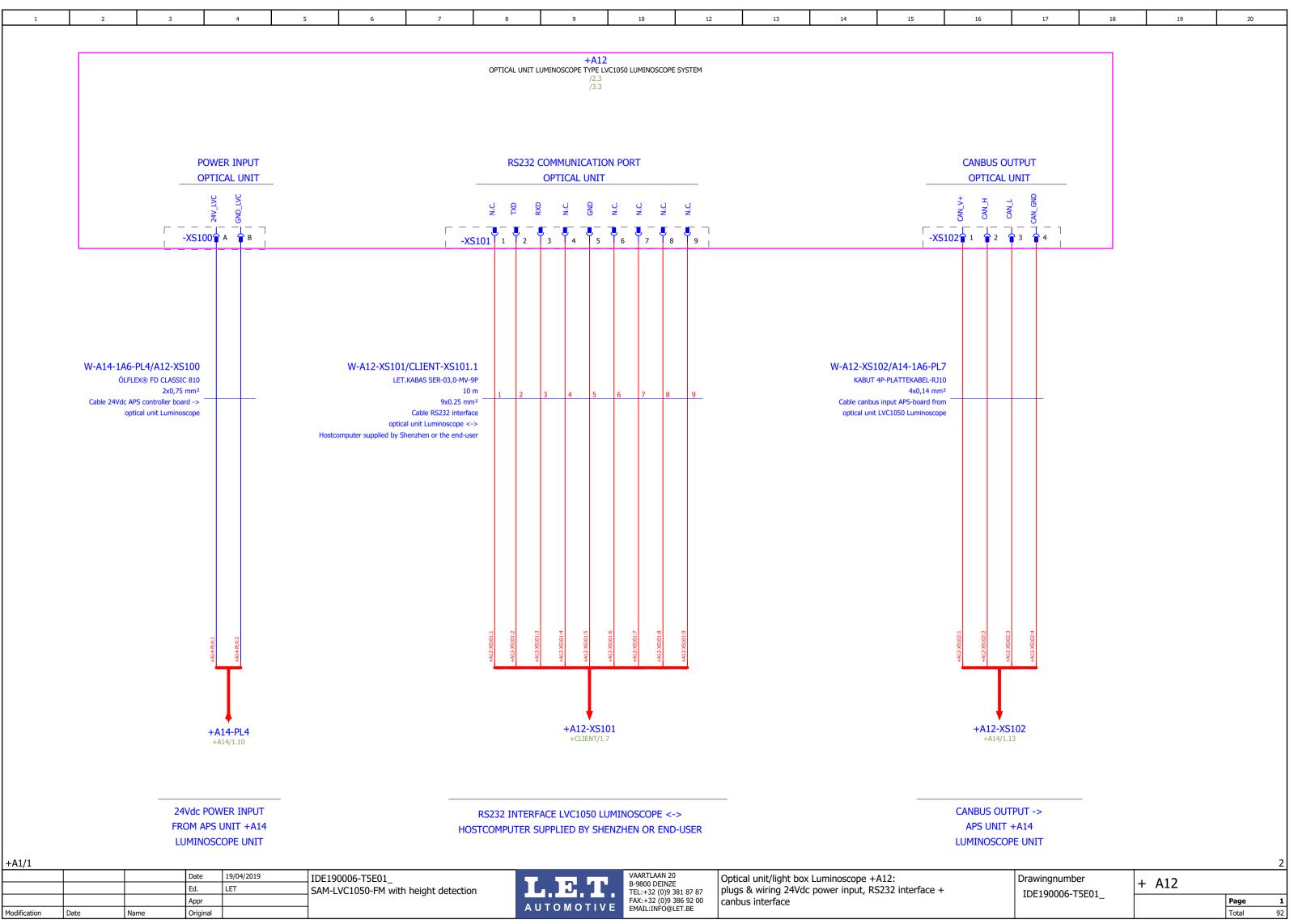


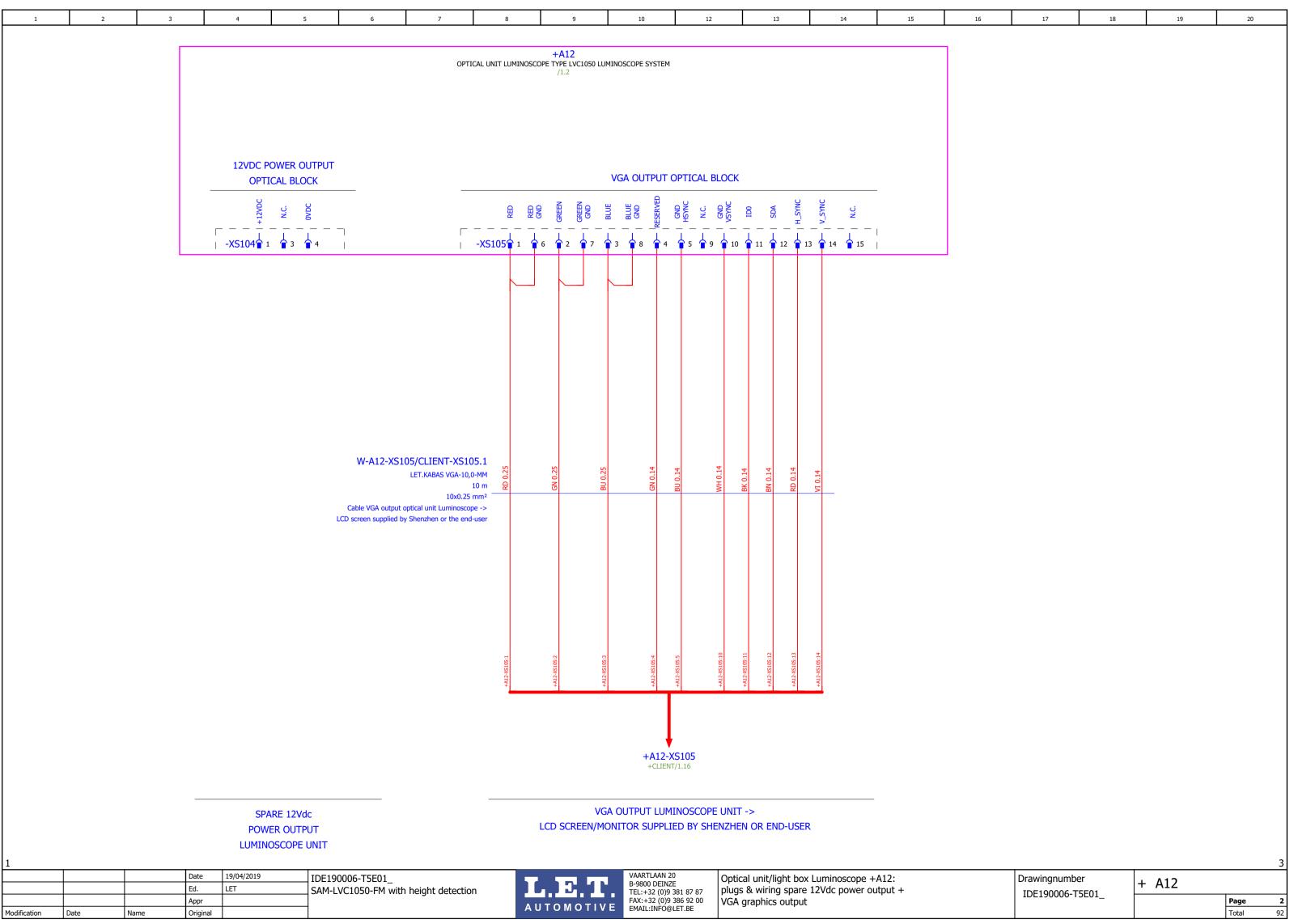


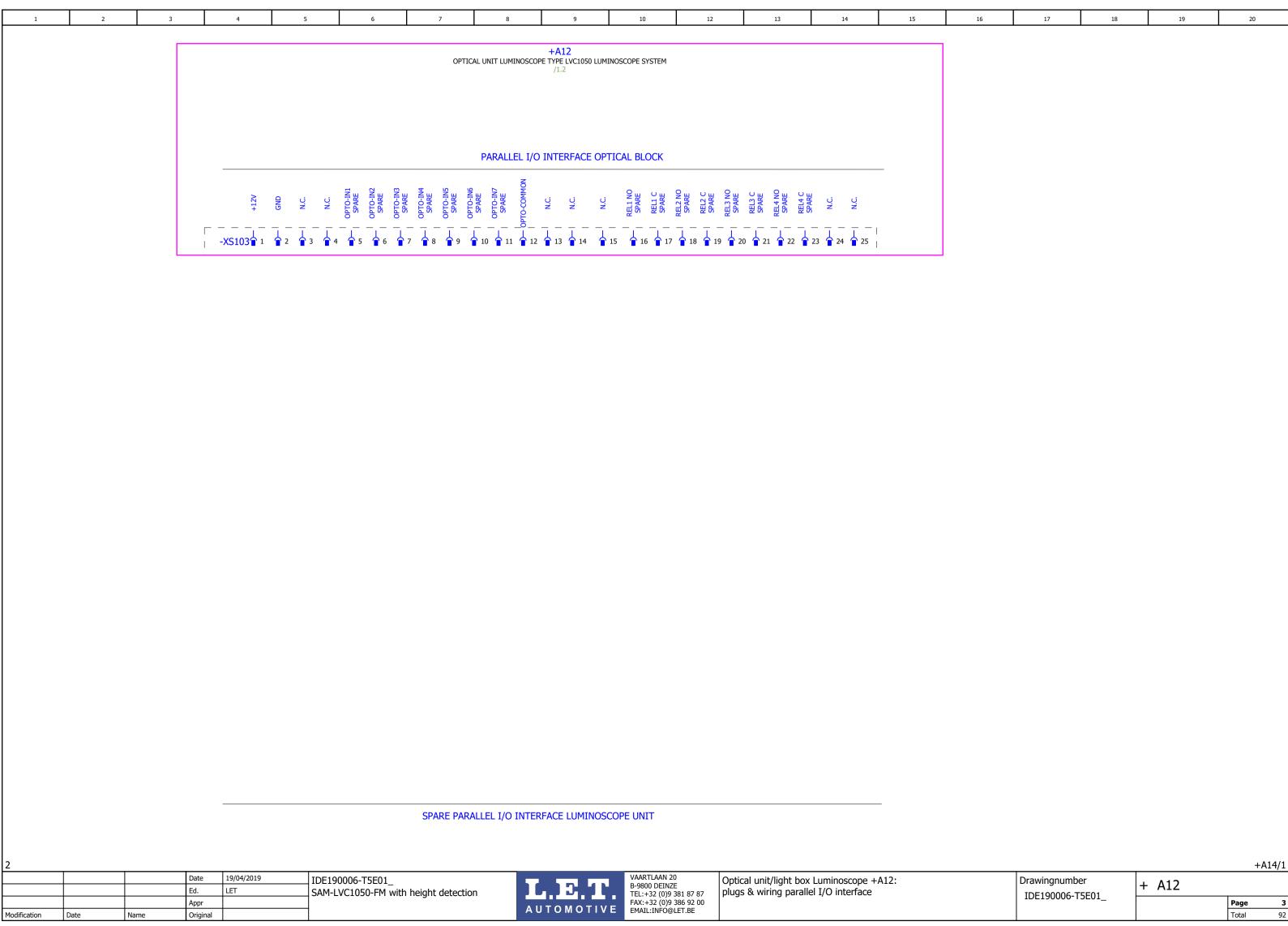
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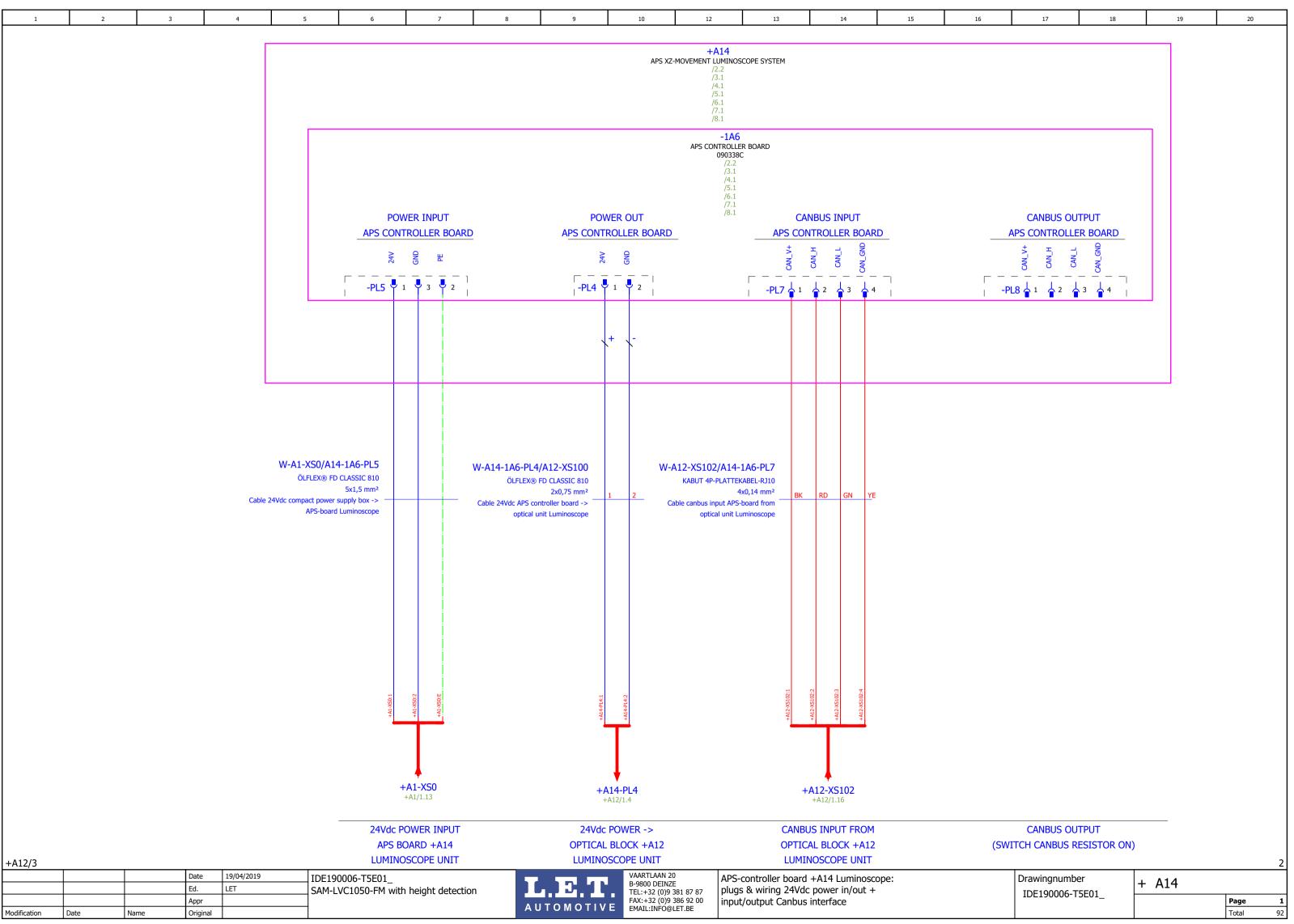


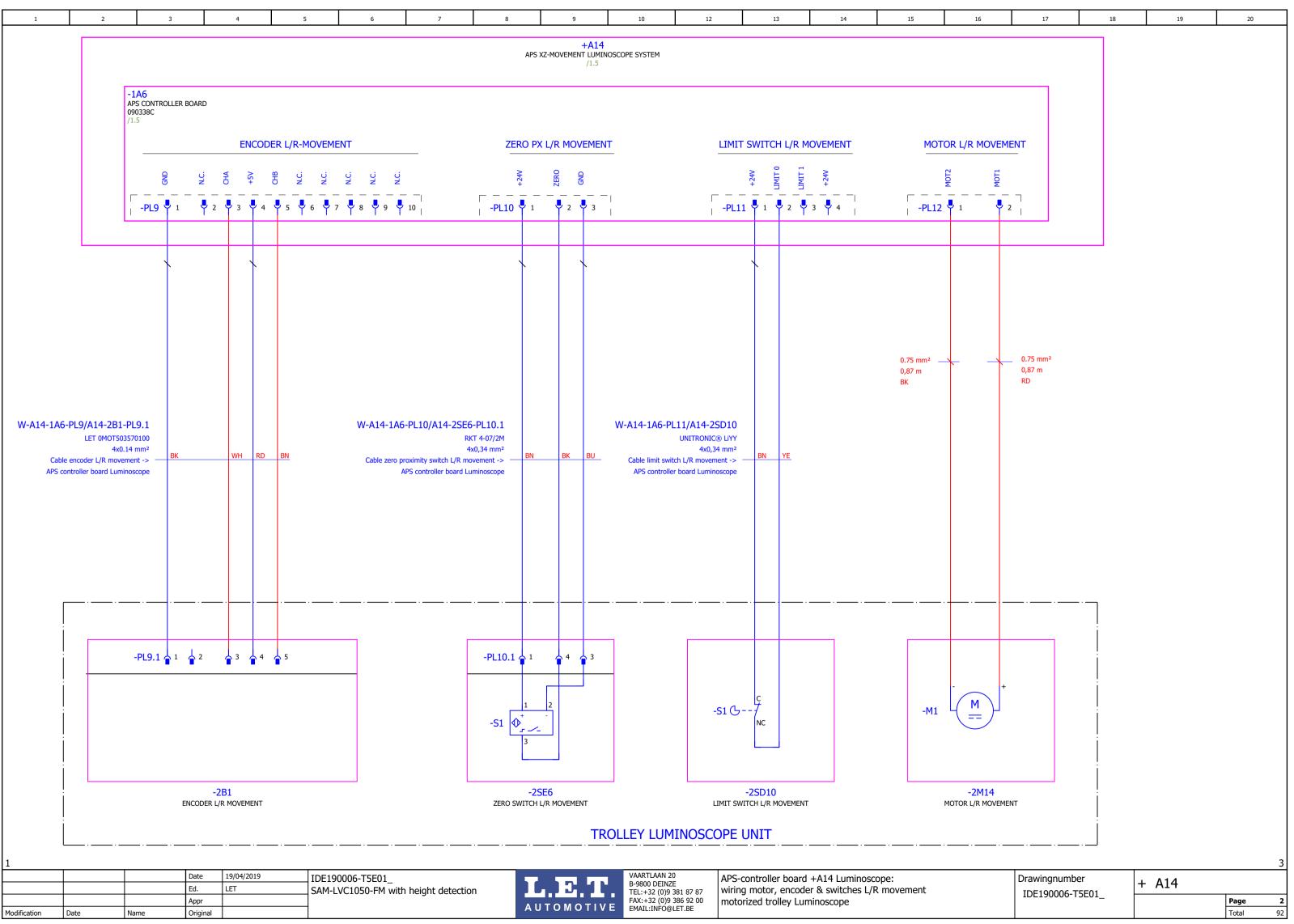


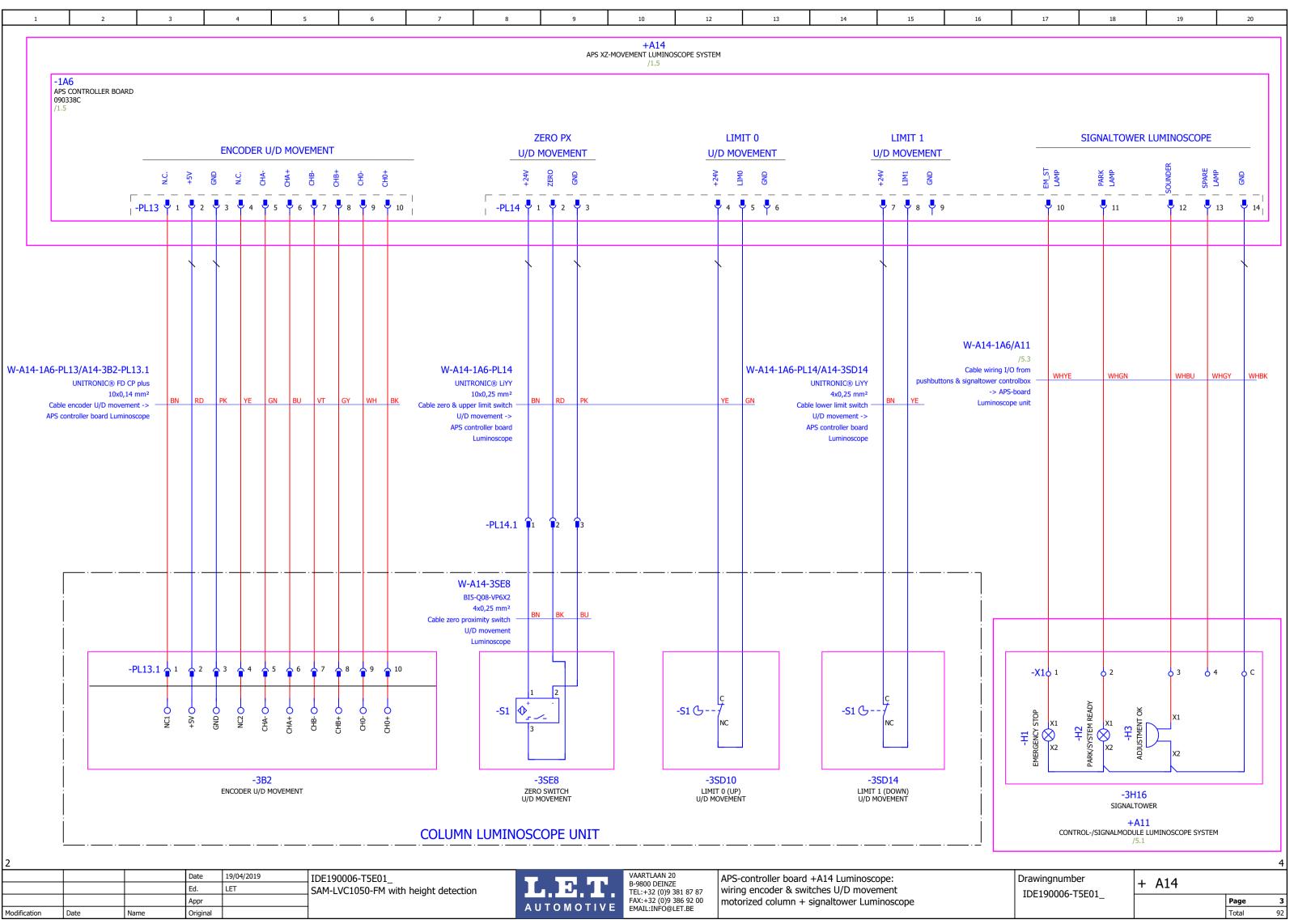


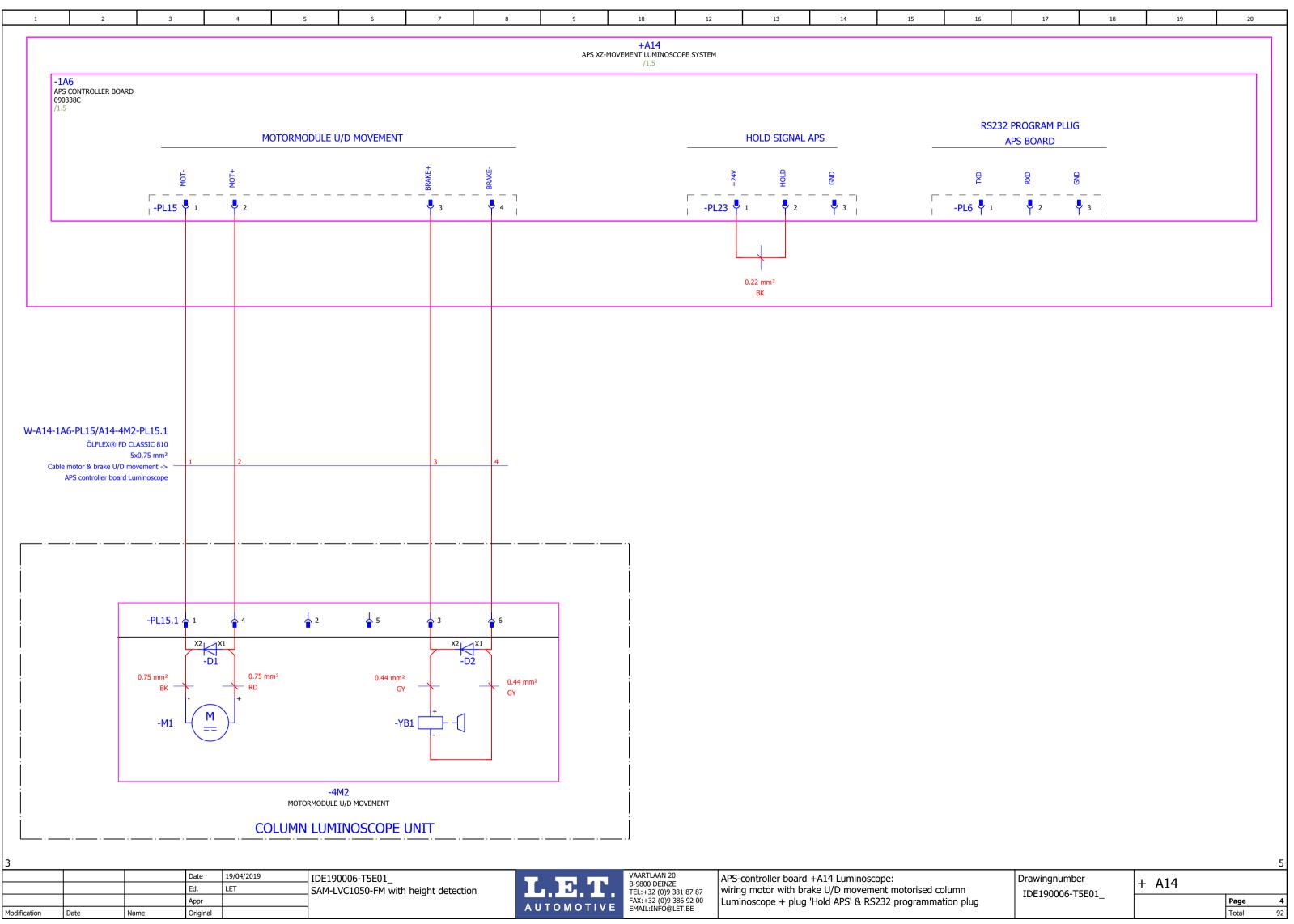


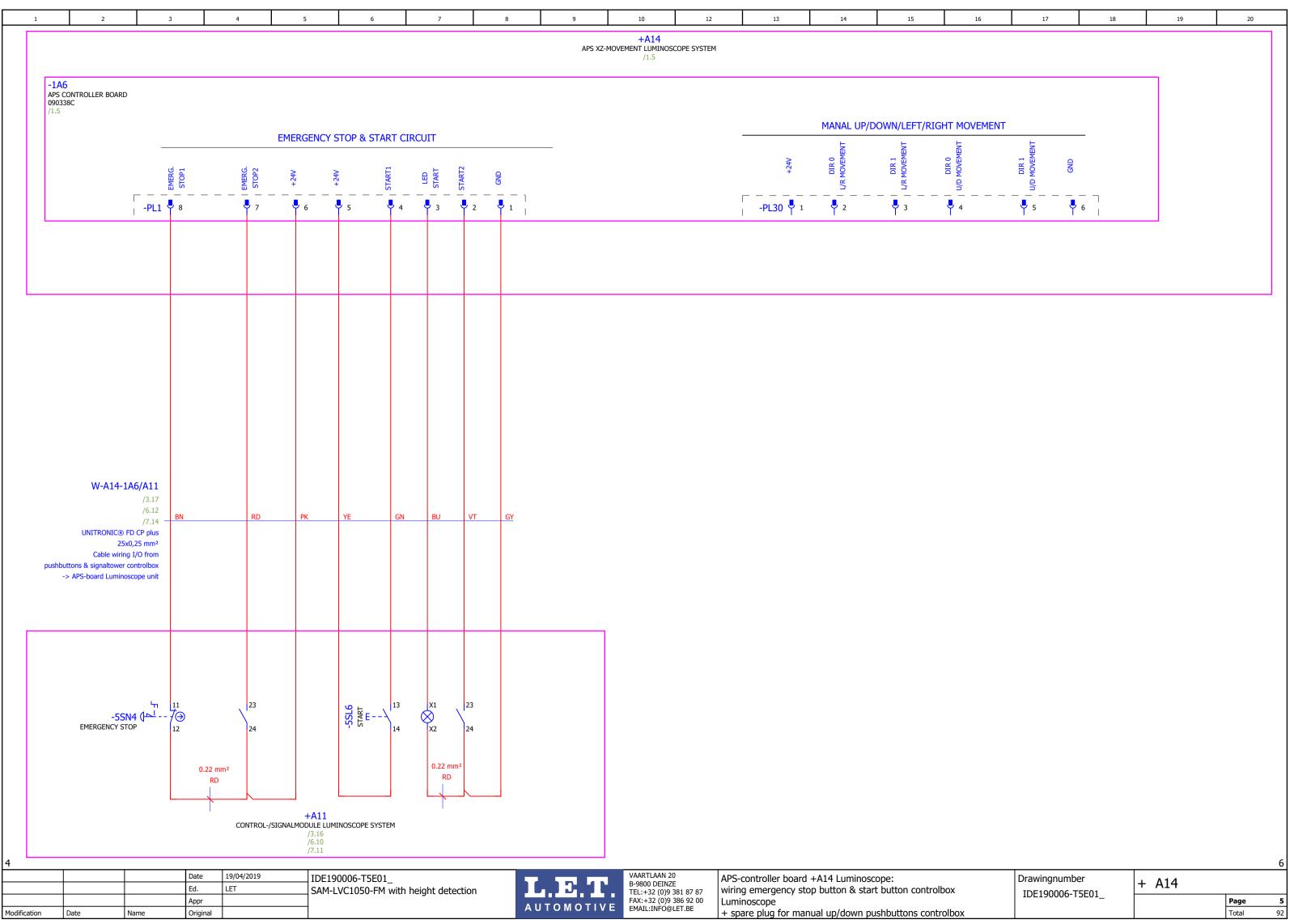


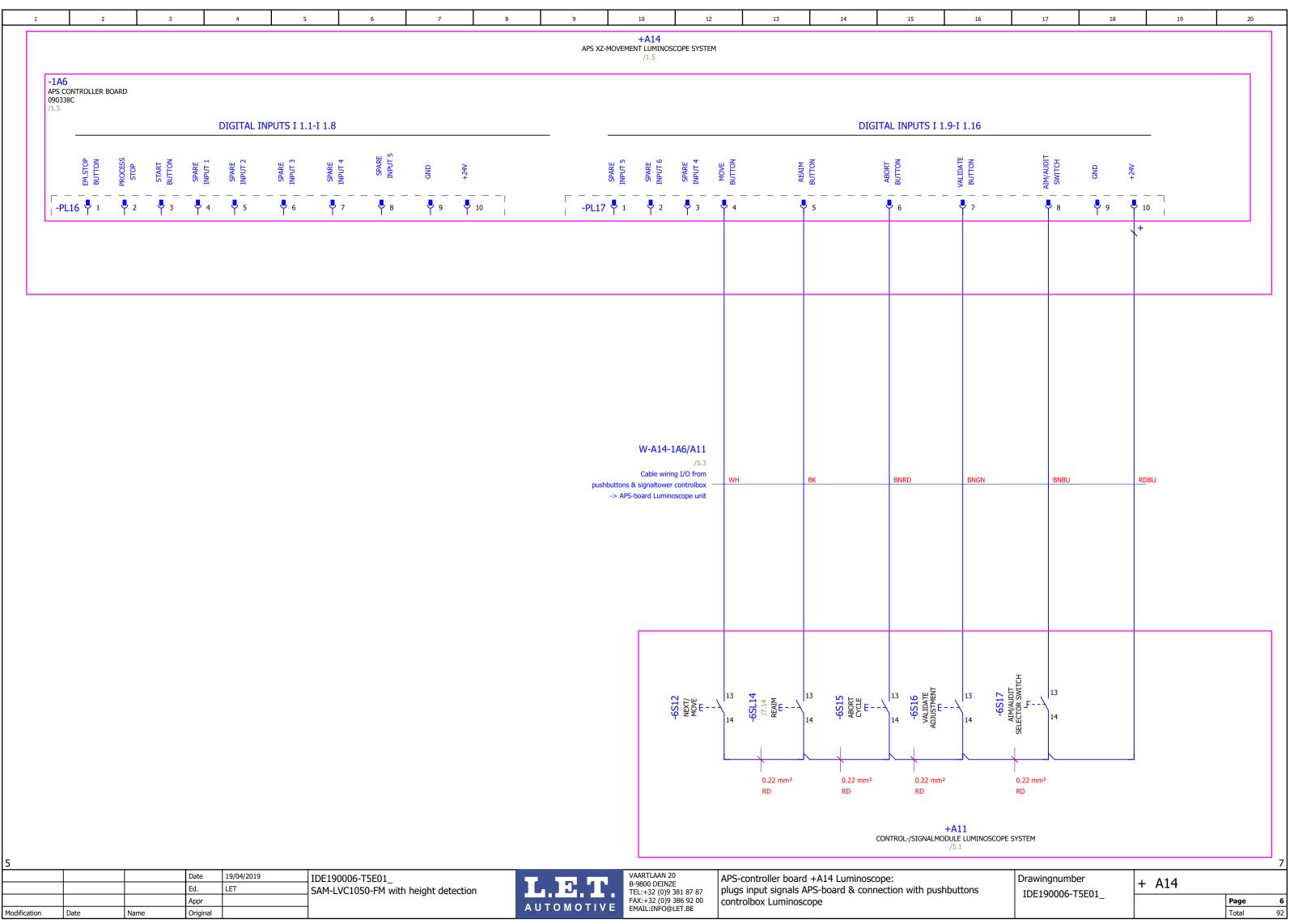


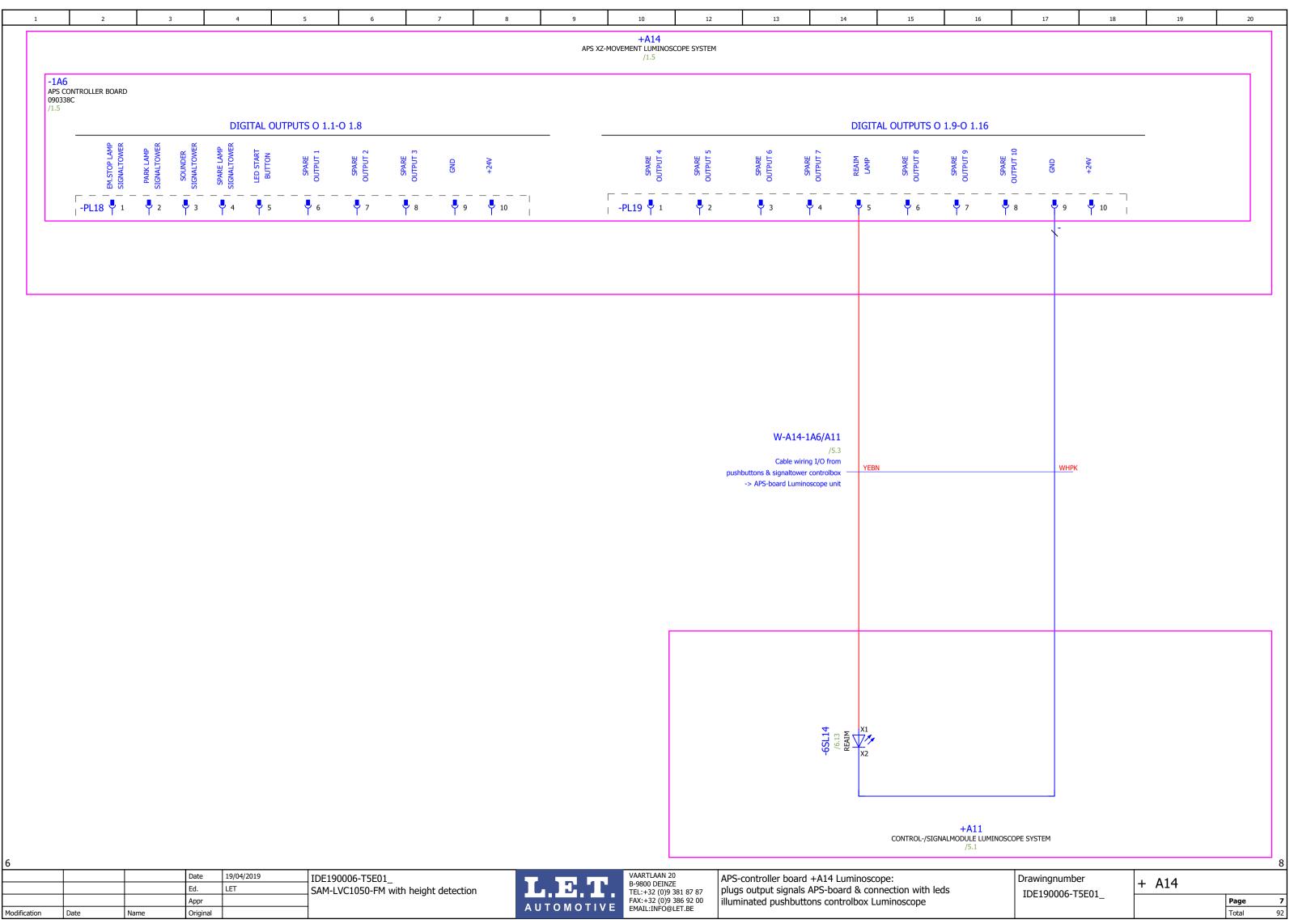


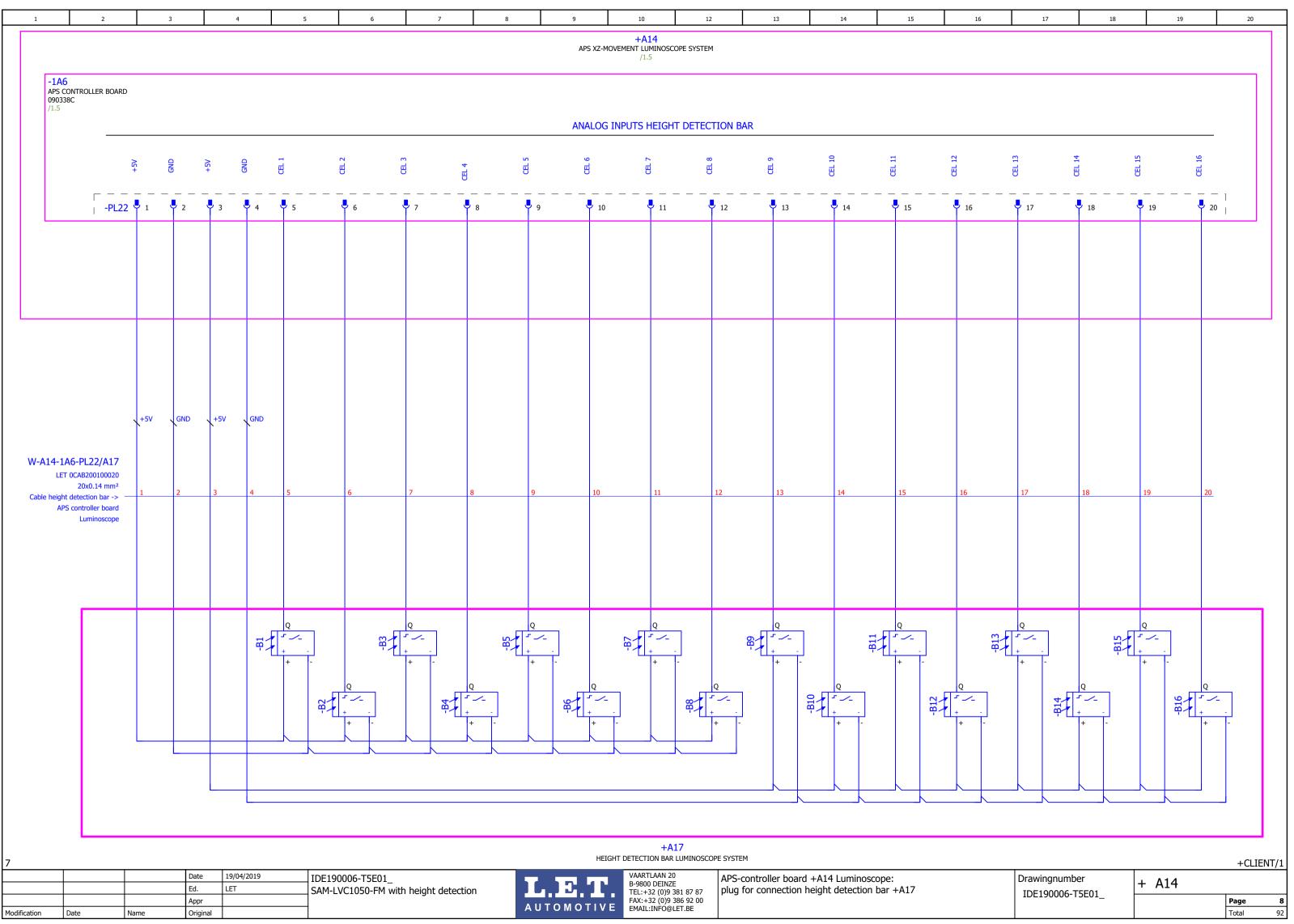


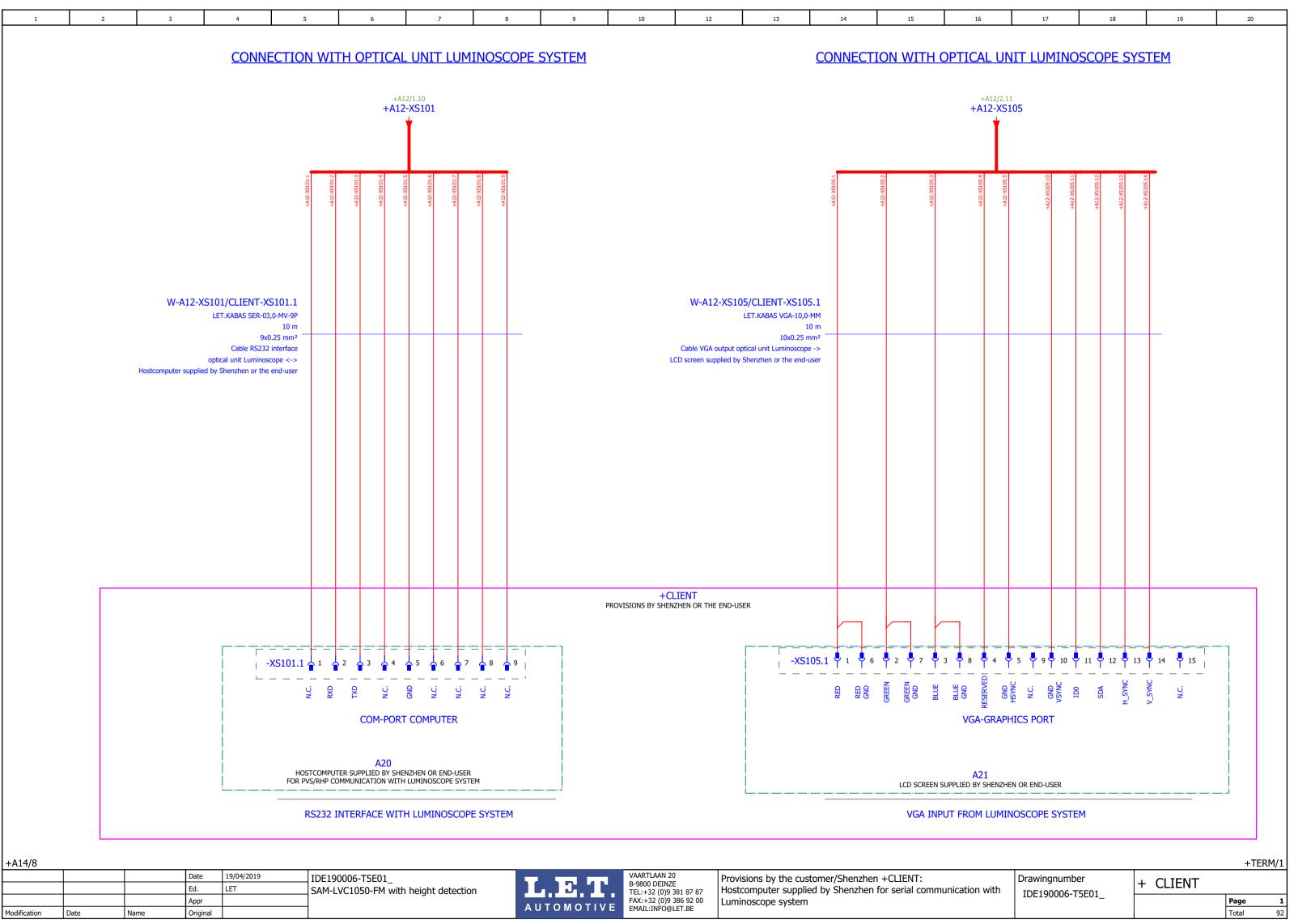












Terminal-strip overview Terminals Graphical page of terminal connection diagram Terminal strip Terminal strip definition text first Total PE Total N Total number last 6PE +TERM/2 +A1-XL0 Terminals power distribution internal compact power box left Luminoscope system 0 6 С 5 +A11-3H16-X1 0 +TERM/3 Terminals connection element from signaltower left Luminoscope system 0 +CLIENT/1 VAARTLAAN 20
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FAX:+32 (0)9 386 92 00
EMAIL:INFO@LET.BE 19/04/2019 Date IDE190006-T5E01_ Drawingnumber + TERM Ed. LET SAM-LVC1050-FM with height detection Terminal strip summary IDE190006-T5E01_ Appr Page Modification Date Total Original

Terminal strip connection diagram W-CLIENT/A1-XL0 Terminal strip designation Cable name Cable name +A1-XL0 Terminals power distribution internal compact power box left Luminoscope system ÖLFLEX® CLASSIC 100 3x1,5 mm² Connection point Connection point Cable type Jumper Target designation Function text Target designation Page / column BN -1S3 220VAC/L 2 /1.3 220VAC/N BU 2 -1S3 /1.4 GNYE -1G8 PΕ PΕ 3PE PΕ /1.5 -XS0 -PE1 Ε 4PE PΕ /1.5 -PE2 -1H15 X2 5PE PΕ /1.6 6PE -PE3 PE /1.7 19/04/2019 VAARTLAAN 20 IDE190006-T5E01_ Date Drawingnumber AUTOMOTIVE

WARKLAM 20

B-9800 DEINZE

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EMAIL:INFO@LET.BE + TERM LET Terminal strip connection diagram SAM-LVC1050-FM with height detection IDE190006-T5E01_ Appr Page Total Date Original

Function text Function text		Cable name	Terminals	+/	411-	rip desig 3H16- m signaltow		Cable name	W-A14-1A6/A11	
ARK LAMP -3H16-H1 X1 1 -3H16-H2 X1 2 -3H16-H2 X1 3 -3H16-H2 X1 3 -3H16-H3 X1 3 -3H16-H3 X1 4 -3H16-H3 X1 3 -3H16-H2 X1 3 -3H16-H3 X1 3 -3H16-H2 X1 3 -3H16-H3 X1	Function text	Cable type	Target designation	Connection point	Terminal	Jumper		Cable type	UNITRONIC® FD CP plus 25x0,25 mm²	Page / column
ARK LAMP OUNDER PARE LAMP -3H16-H2 X1 2 -4 +A14-1A6-PL14 11 WHGN +A14/3.18 WHBU +A14/3.19 WHGY +A14/3.19					1			<u> </u>	WHYE	
DUNDER -3H16-H3 X1 3 +A14-1A6-PL14 12 WHBU +A14/3.19 PARE LAMP 4 +A14-1A6-PL14 13 WHGY +A14/3.19										
ND - 3H16-H3 X2 C - 4A14-1A6-PL14 14 WHBV - 4A14/3.20					4	•	+A14-1A6-PL14 13	3		+A14/3.19
	ND		-3H16-H3	X2	С	•	+A14-1A6-PL14 14	1	WHBK	+A14/3.20

Modification

0 1 2 3 4 5 6 7 8 9 11 12 13 14 15 16 17 18 19

Plug-strip overview

Plug designation	Plug definition text			Plug			Graphical page of
riug designation	Flug definition text	first	last	Total PE	Total N	Total number	plug connection diagram
+A1-XS0	Plug 24Vdc power supply compact power box -> left Luminoscope system	1	Е	1	0	7	+PLUG/2
+A12-XS100	Plug 24Vdc power input optical unit left Luminoscope system	Α	В	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 supllied 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 supllied by Shenzhen or the end-user for visualizations left Luminoscope	1	15	0	0	15	+PLUG/35

+1ERM/3												2
			Date	19/04/2019	IDE190006-T5E01		VAARTLAAN 20	TERM:	Drawingnumber	, DLUC		
			Ed.	LET	SAM-LVC1050-FM with height detection		B-9800 DEINZE TEL:+32 (0)9 381 87 87	Connector strip summary	IDE190006-T5E01_	+ PLUG		
			Appr		_	AUTOMOTIVE	FAX:+32 (0)9 386 92 00		100190000-13001_		Page	1
Modification	Date	Name	Original			AUTOMOTIVE	EMAIL:INFÓ@LET.BE				Total	92

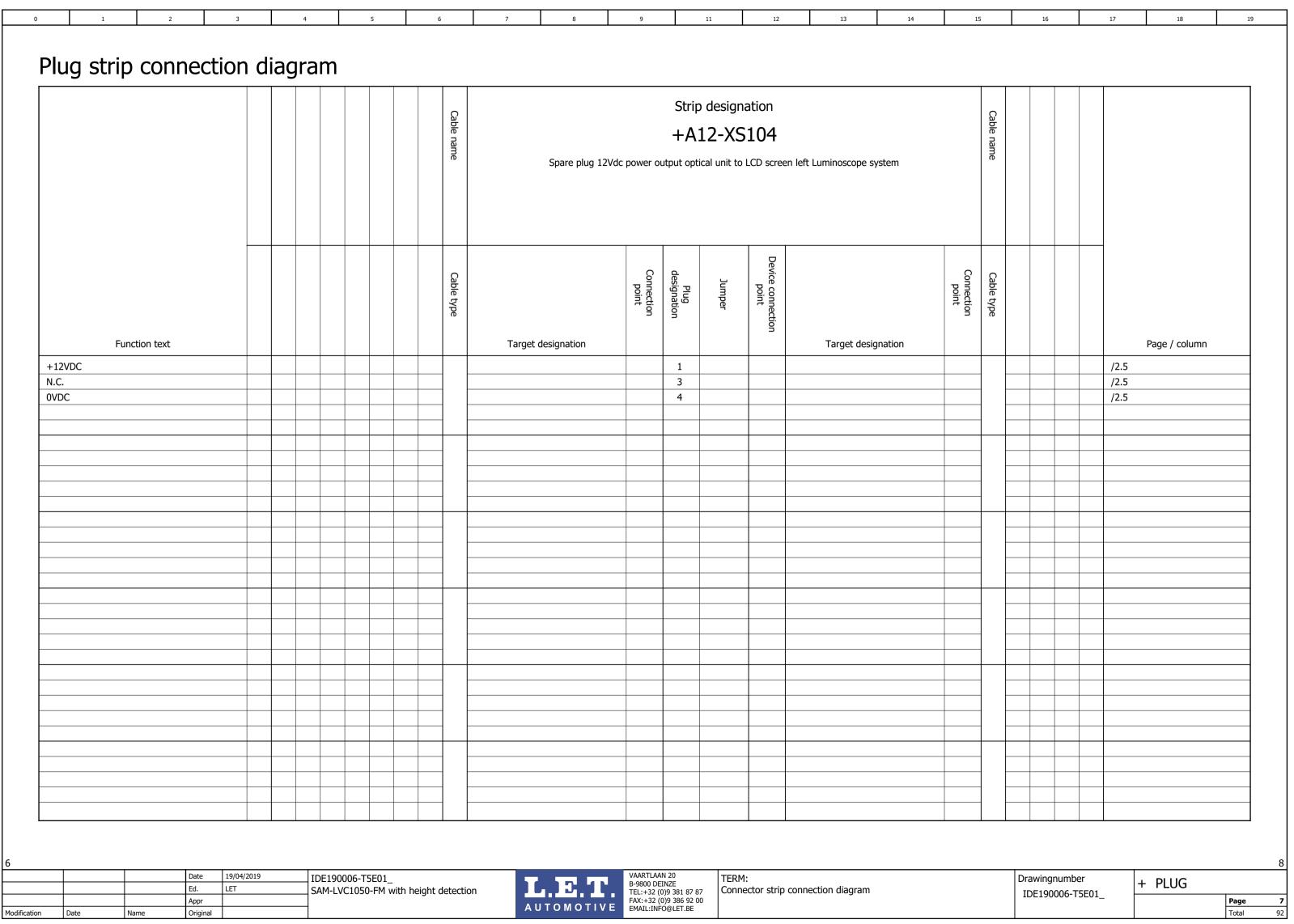
Function text		Cable name W-A1-X50/A14-1A6-PL5	Plug 24Vdc	power sul	+/	designa	0	ft Luminoscope system		Cable name		
AND APS 2 +A14-1A6-PL5 3 2 -1G8 -	Function text	Cable type ÖLFLEX® FD CLASSIC 810 5x1,5 mm²	Target designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point	Cable type		Page / column
ND APS		1		1	1				+		/1.12	
AVDC DIS ND DIS C. 1				_						-		
.C. 5 /1.13 /1.14									+'	1		
6 /1.14												
	.C.											
E										1		

				Cable name W-A14-1A6-PL4/A12-XS100	Plu	ig 24Vdc po	+A	designa	100	noscope system		Cable name			
Fu	inction text			Cable type ÖLFLEX® FD CLASSIC 810 2x0,75 mm²	Target designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point	Cable type			Page / column
4V_LVC				1	+A14-1A6-PL4	1	А								/1.4
IND_LVC				2	+A14-1A6-PL4	2	В								/1.4
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		Cable name w-A12-XS101/CLIENT-XS101.1	Plug RS23	2 commu	+A:	designa	101	uminoscope system		Cable name		
Function text		Cable type LET.KABAS SER-03,0-MV-9P 9x0.25 mm²	Target designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point	Cable type		Page / column
		1		1	1			- Target designation			/1 /	
.C. KD		2	+CLIENT-XS101.1 +CLIENT-XS101.1	2	2					$+$ \vdash	/1.5	
KD (D		3	+CLIENT-XS101.1 +CLIENT-XS101.1	3	3					1 -	/1.	
ΛD		4	+CLIENT-XS101.1 +CLIENT-XS101.1	4	4					1 -	/1.	
C.		5	+CLIENT-XS101.1	5	5					┤	/1.	
ND		6	+CLIENT-XS101.1	6	6					+ +	/1.	
C.		7	+CLIENT-XS101.1	7	7					1 -	/1.	
C.		8	+CLIENT-XS101.1	8	8					1 -	/1.	
		9	+CLIENT-XS101.1	9	9					1 -	/1.	
										$+$ \vdash		
										1		

		Cable name W-A12-XS102/A14-1A6-PL7	Plug ou	tput canbi	+A1	designa 2-XS e optical ur	102	ninoscope system		Cable name		
Function text		Cable type KABUT 4P-PLATTEKABEL-RJ10 4x0,14 mm² BK	Target designation +A14-1A6-PL7	Connection point 1	Plug designation 1	Jumper	Device connection point	Target designation	Connection point	Cable type	/1	Page / column
AN_H		RD	+A14-1A6-PL7	2	2					1	/1	.16
AN_L AN_GND		GN YE	+A14-1A6-PL7 +A14-1A6-PL7	3 4	3 4					+ -		.16
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		Cable name	Plug pa	arallel I/C	+A:	design	103	inoscope system		Cable name			
		Cable type		Connection point	Plug designation	Jumper	Device connection point		Connection point	Cable type			
Function text			Target designation					Target designation					Page / column
+12V					1							/3	 1
GND		1 -			2					1		/3.	
I.C.		$+$ \vdash			3					1		/3.	
=		+			4					-		/3.	
- DPTO-IN1 SPARE		$+$ \vdash			5		+ +		_	-	+ + -	/3.	
DPTO-IN2 SPARE		+ +			6					 		/3.	
OPTO-IN3 SPARE		$+$ \vdash			7							/3.	
DPTO-IN4 SPARE		$+$ \vdash			8							/3.	
OPTO-IN4 SPARE		1 -			9					┤ ├─	+ +	/3.	
OPTO-ING SPARE		$+$ \vdash			10					┤		/3.	
DPTO-INO SPARE DPTO-IN7 SPARE		+ + -			11					 		/3.	
OPTO-COMMON		$+$ \vdash			12					-		/3.	
N.C.		$+$ \vdash			13					┤	+ +	/3.	
v.C. =		$+$ \vdash			14					┤		/3.	
=		$+$ \vdash			15					+		/3.	
= REL1 NO SPARE		+ +			16					 		/3.	
REL1 C SPARE		$+$ \vdash			17					\vdash		/3.	
REL2 NO SPARE		$+$ \vdash			18					┨		/3.	
REL2 NO SPARE		$+$ \vdash			19					┨ ├─		/3.	
REL3 NO SPARE		$+$ \vdash			20					┨		/3.	
EL3 NO SPARE EL3 C SPARE		+ +			21							/3.	
EL4 NO SPARE		$+$ \vdash			22					┤		/3.	
EL4 C SPARE		$+$ \vdash			23					┨		/3.	
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	W. T. SOTION . TO	Cable name	Plug VGA-graphio	cs output op	+A:	designa	105	stem to LCD screen Shenzhen		Cable name	
Function text	10x0.25 mm²	Cable type	Target designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point	Cable type	Page / column
	R)						rarget designation			
ED DEEN	9	₩	+CLIENT-XS105.1;-XS105	1	1						/2.8
REEN	<u> </u>	<u>5</u>	+CLIENT-XS105.1;-XS105	2	2						/2.9
UE	9	₹5	+CLIENT-XS105.1;-XS105	3	3						/2.10
SERVED		<u>.</u> 4	+CLIENT-XS105.1	4	4						/2.11
ND HSYNC	0.	.4	+CLIENT-XS105.1	5	5		1				/2.11
ED GND		_	-XS105	1	6						/2.9
REEN GND		_	-XS105	2	7		+				/2.10
UE GND			-XS105	3	8						/2.10
C.	- w	Ħ			9						/2.11
ND VSYNC		4	+CLIENT-XS105.1	10	10						/2.12
0			+CLIENT-XS105.1	11	11						/2.12
DA COUNTRY		4	+CLIENT-XS105.1	12	12						/2.13
_SYNC	0,	4	+CLIENT-XS105.1	13	13						/2.13
SYNC	0.	.4	+CLIENT-XS105.1	14	14 15						/2.13 /2.14

	Cable name W-A14-1A6/A11	Plug Emer		+A1	design	5-PL1	Luminoscope system		Cable name	W-A14-1A6/A11		
	Cable type UNITRONIC® FD CP plus 25x0,25 mm²		Connection point	Plug designation	Jumper	Device connection point		Connection point	Cable type	UNITRONIC® FD CP plus 25x0,25 mm²		
Function text		Target designation					Target designation					Page / column
ND	GY	+A11-5SL6	24	1								/5.8
TART2	VT	+A11-5SL6	23	2								/5.8
ED START	BU	+A11-5SL6	X1	3								/5.7
TART1	GN	+A11-5SL6	13	4			+ A11 FCLC	1.4		VE		/5.7
24V	DIC	. A11 FCN4	24	5			+A11-5SL6	14		YE		/5.6
MEDC CTOD2	PK	+A11-5SN4	24	6 7								/5.5
MERG. STOP2	RD BN	+A11-5SN4 +A11-5SN4	23	8					-			/5.4 /5.3
	DIN	+A11-55N4	11	0								/5.3
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Function text 24V GND				Cable type	Target designation	Connection	Jumper Plug designation 1 2	Device connection point	Target designation +A12-XS100 +A12-XS100	Connection A B	Cable type	ÖLFLEX® FD CLASSIC 810		/1.10 /1.10	ge / column
44V					rarget designation				+A12-XS100	_	-			/1.10	ge / column
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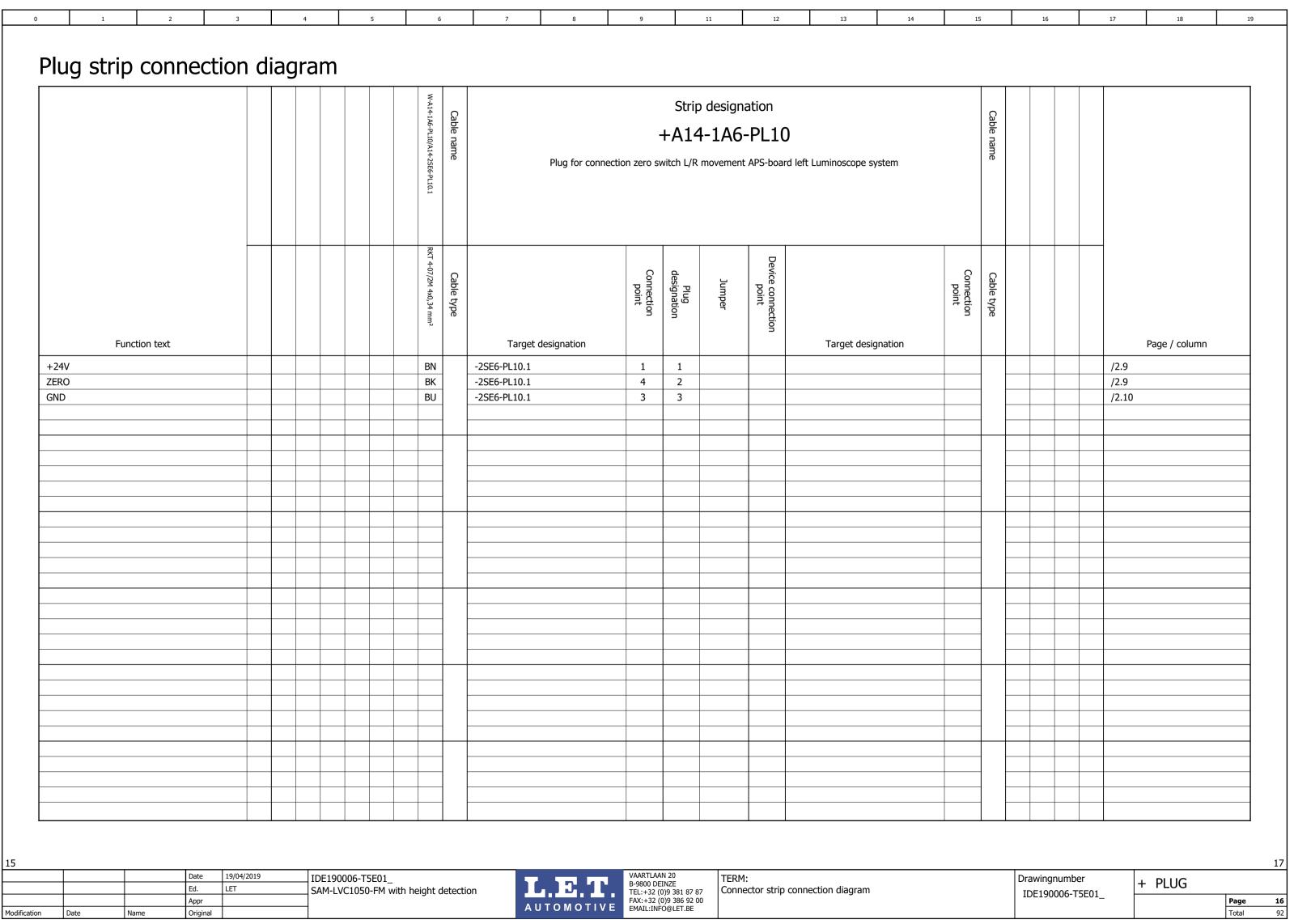
								Cable name	Plug 2		Strip de +A14- wer input APS-	1A6-	-PL5	noscope system		Cable name	W-A1-XS0/A14-1A6-PL5		
	5.	unction text						Cable type	Target designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point	Cable type	ÖLFLEX® FD CLASSIC 810 5×1,5		Page / column
4V		unction text							Target designation		1			+A1-XS0	1			/1.7	
+ V =											2			+A1-XS0	1 E	1	1 GNYE	/1.7	
ND											3			+A1-XS0	2	1	2	/1.7	
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Function text Company Company										Cable name	RS232		Strip do	1A6-	-PL6	inoscope system		Cable name				
Function text Target designation Target designation Target designation Page / column FXD 1 /4.16 FXD 2 /4.17									:	Cable type		Connection point	Plug designation	Jumper	Device connection point		Connection point	Cable type				
2XD /4.17		Fu	unction text								Target designation					Target designation						Page / column
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Ed. LET SAM-LVC1050-FM with height detection SAM-LVC1050-FM with height detection TDF190006-T5F01	\Box			Date 19/04	/2019	IDE1	90006-T	Г5Е01_			L.E.T.	VAARTLAA	N 20	TERM:					Drawing	ınumber		PLUG

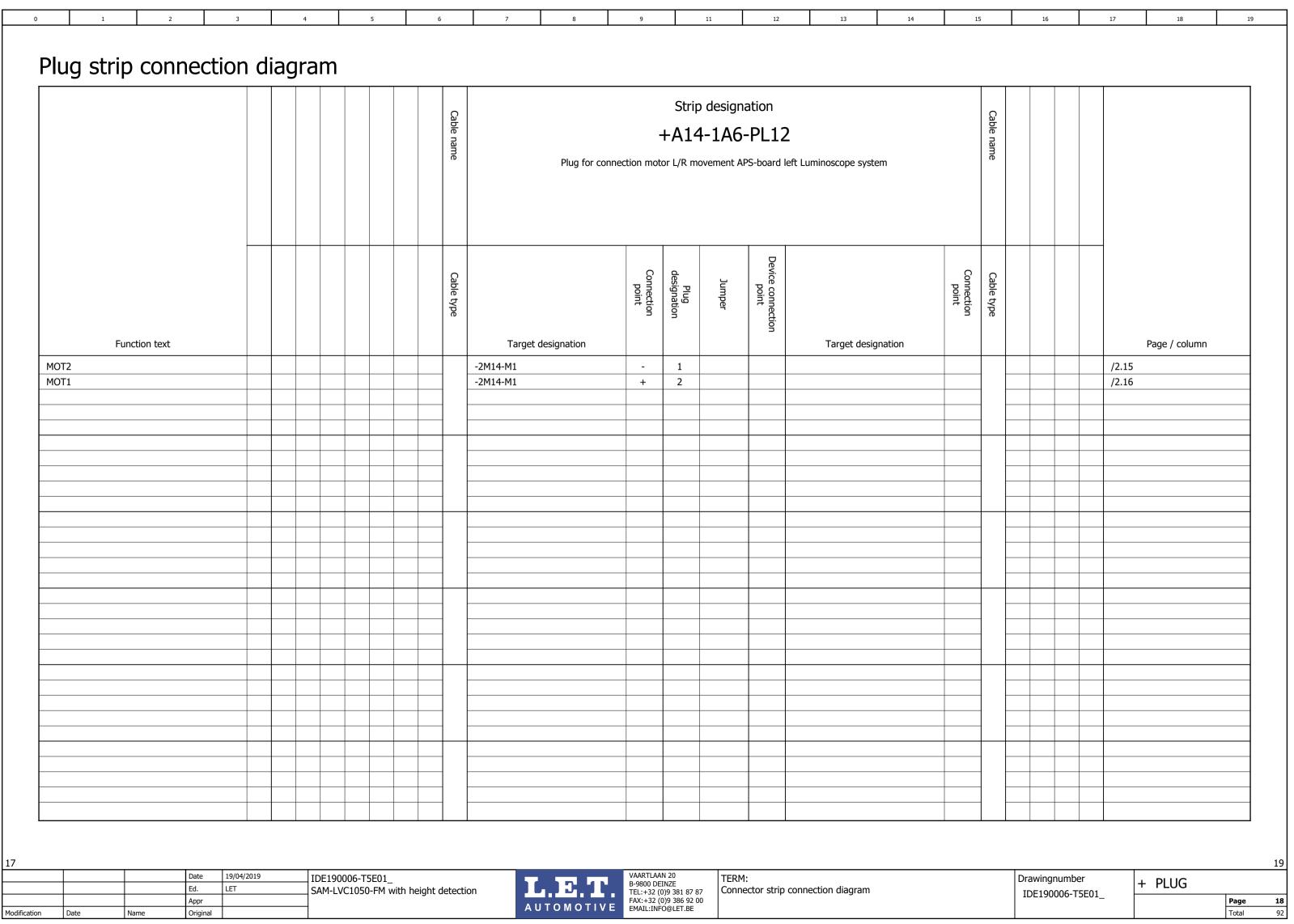
Function text Company Function text Fun	Function text
CAN_V+ BK +A12-XS102 1 1 /1.13 CAN_H RD +A12-XS102 2 2 2 /1.13 CAN_L GN +A12-XS102 3 3 /1.14	CAN_V+ BK
CAN_L	CAN_L GN +A12-XS102 3 3 3 /1.14

			Cable name	Plug ou		+A1	design 4-1A6 ce APS-boa	5-PL8	ninoscope system		Cable name		
			Cable type		Connection point	Plug designation	Jumper	Device connection point		Connection point	Cable type		
Function text				Target designation					Target designation				Page / column
AN_V+ AN_H						2					 		/1.16 /1.17
AN_L						3					† -		/1.17
AN_GND						4]		/1.18
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		W-A14-1A6-PL9/A14-2B1-PL9.1	Cable name	Plug for connec		+A1		5-PL9	left Luminoscope system		Cable name		
Formation book		LET 0MOT503570100 4x0.14 mm²	Cable type	Taugah dasimahin	Connection point	Plug designation	Jumper	Device connection point	Towart decimation	Connection point	Cable type		Dago / ochum
Function text				Target designation					Target designation			/2	Page / column
ND .C.		BK	-2B1-	PL9.1	1	2					-	/2	
HA		WH	-2B1-	·PL9.1	3	3					-	/2.	
5V		RD	+ -	PL9.1	4	4					-	/2.	
НВ		BN		PL9.1	5	5						/2.	
C.						6						/2.	5
						7						/2.	
						8						/2.0	
						9						/2.	
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					Cable name W-A14-1A6-PL11/A14-2SD10	Plug for conne		+A14		-PL11	left Luminoscope system	Cable name			
Fu	nction text				Cable type UNITRONIC® LIYY 4x0,34 mm²	Target designation	Connection point	Plug designation	Jumper	Device connection point	Point S	Cable type Connection			Page / column
 24V					BN	-2SD10-S1	С	1							72.12
IMIT 0					YE	-2SD10-S1	NC	2						/	2.13
MIT 1 24V								3 4				_			/2.13 /2.13
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							W-A14-1A6-PL13/A14-3B2-PL13.1	Cable name	Plug for conne		Strip d +A14-	1A6-	-PL13	left Luminoscope system		Cable name			
							UNITRONIC® FD CP plus 10x0,14 mm ²	Cable type		Connection point	Plug designation	Jumper	Device connection point		Connection point	Cable type			
	F	unction text							Target designation					Target designation					Page / column
٧.C.							BN		-3B2-PL13.1	1	1							/3.3	
+5V							RD		-3B2-PL13.1	2	2							/3.3	
GND							PK		-3B2-PL13.1	3	3							/3.4	
I.C.							YE		-3B2-PL13.1	4	4							/3.4	
HA-							GN		-3B2-PL13.1	5	5							/3.5	
CHA- CHB-							BU VT		-3B2-PL13.1 -3B2-PL13.1	6 7	7					$+$ \vdash		/3.5	
CHB-							GY		-3B2-PL13.1	8	8					1		/3.6	
CH0-							WH		-3B2-PL13.1	9	9							/3.6	
CHO-							BK		-3B2-PL13.1	10	10							/3.7	
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—			Date 19/04, Ed. LET	/2019	IDE190	0006-T5E01_ VC1050-FM with	heiaht (detecti	tion AUTOMOTIVE	VAARTLA B-9800 D	AN 20 EINZE (0)9 381 87 87	TERM: Conne	: ector strin	connection diagram			awingnum DE190006		+ PLUG

Plug strip connection diagram W-A14-1A6-PL14/A14-3SD14 Strip designation +A14-1A6-PL14 Plug for connection switches U/D movement APS-board left Luminoscope system UNITRONIC® FD CP plus 25x0,25 mm² JNITRONIC® LiYY 4x0,25 JNITRONIC® LiYY 10x0,25 mm² Device connection point Connection point Function text Target designation Target designation Page / column BN -PL14.1 /3.9 +24V RD -PL14.1 /3.9 ZERO GND PK -PL14.1 3 3 /3.9 ΥE С /3.12 +24V -3SD10-S1 GN NC 5 /3.12 LIM0 -3SD10-S1 /3.12 **GND** 6 +24V BN 7 /3.14 -3SD14-S1 ΥE LIM1 -3SD14-S1 NC 8 /3.15 **GND** 9 /3.15 /3.17 EM_ST LAMP WHYE 10 +A11-3H16-X1 PARK LAMP WHGN +A11-3H16-X1 2 11 /3.18 SOUNDER WHBU +A11-3H16-X1 3 12 /3.19 SPARE LAMP WHGY +A11-3H16-X1 13 /3.19 4 GND WHBK +A11-3H16-X1 С 14 /3.20 21 19/04/2019 VAARTLAAN 20 IDE190006-T5E01_ Drawingnumber + PLUG LET AUTOMOTIVE
TEL:+32 (0)9 381 87 87 FAX:+32 (0)9 386 92 00 EMAIL:INFO@LET.BE SAM-LVC1050-FM with height detection Connector strip connection diagram IDE190006-T5E01_ Appr Page

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MOT+ 2 -4M2-PL15.1 4 2 //4.4 //4.7 //ARAKE+ 3 3 3 3 //4.7	MOT- MOT+ BRAKE+ BRAKE-	Function text			1 2 3	-4M2-PL15. -4M2-PL15. -4M2-PL15.	1 1 1	1 4 3	1 2 3	Jumper	Device connection point	Target designation	Connection point	Cable type		/4.	3 4 7
1 -4M2-PL15.1 1 1	MOT+ BRAKE+	runction text			2 3	-4M2-PL15. -4M2-PL15. -4M2-PL15.	1 1 1	4 3	2 3			rarget designation				/4.	3 4 7
10T+ 2 -4M2-PL15.1 4 2 //4.4 //4.7 /	10T+ BRAKE+				2 3	-4M2-PL15. -4M2-PL15.	1 1	4 3	2 3							/4.	.4 .7
RAKE+ 3 -4M2-PL15.1 3 3 (14.7)	RAKE+				3	-4M2-PL15.	1	3	3					†		/4.	.7
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			Cable name	Plug digital inp		+A14	design	-PL16	left Luminoscope system		Cable name			
Function text			Cable type	Target designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point	Cable type			Page / column
M.STOP BUTTON						1							/6.2	
ROCESS STOP						2					1		/6.2	
START BUTTON						3		1			1		/6.3	
PARE INPUT 1						4							/6.4	
PARE INPUT 2						5							/6.4	
PARE INPUT 3						6							/6.5	
PARE INPUT 4						7							/6.6	
PARE INPUT 5						8							/6.6	
SND						9							/6.7	
-24V	+					10							/6.8	
											1			
	+										1			
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		M-VI-TWO/VII	Cable name	Plug digital inp		+A14	designa -1A6- Introlbox A	-PL17	eft Luminoscope system		Cable name		
Function text		25x0,25 mm²	Cable type	Target designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point	Cable type		Page / column
SPARE INPUT 5						1							/6.10
SPARE INPUT 6			\dashv			2							/6.11
SPARE INPUT 4			\dashv			3		1 1					/6.11
10VE BUTTON		W	Н	+A11-6S12	13	4							/6.12
REAIM BUTTON		В		+A11-6SL14	13	5							/6.13
ABORT BUTTON		BN		+A11-6S15	13	6							/6.14
ALIDATE BUTTON		BN		+A11-6S16	13	7							/6.15
AIM/AUDIT SWITCH		BN	BU	+A11-6S17	13	8					-		/6.17
GND	+	DD.	D. I	. A11 CC17	1.4	9					-		/6.18
-24V	+	RD	BU	+A11-6S17	14	10							/6.18
	+										1 -		
	+										1		
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			Cable name		Plug digital outp		+A14	designa -1A6- controlbox	-PL18	d left Luminoscope system		Cable name		
Function text			Cable type	Т	arget designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point	Cable type		- Page / column
M.STOP LAMP SIGNALTOWER							1							/7.2
ARK LAMP SIGNALTOWER							2					1		/7.3
OUNDER SIGNALTOWER							3							/7.3
PARE LAMP SIGNALTOWER							4					1 [/7.4
ED START BUTTON							5							/7.5
PARE OUTPUT 1							6					1		/7.5
PARE OUTPUT 2 PARE OUTPUT 3							7 8					+ $+$		/7.6 /7.7
ND							9					1		/7.8
24V							10							/7.8
												1		
												1		
												1		
												4 L		
												 		
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												1		
												1		
												 		

Fanction text: Fanction text							Cable name w-414-146/411		Plug digital outp		+A14	designa	-PL19	l left Luminoscope system		Cable name			
SPARE OUTPUT 5	Functio	on text					Cable type UNITRONIC® FD CP plus 25x0,25 mm²	Ta	arget designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point	Cable type			Page / column
SPARE OUTPUT 5	SPARE OUTPUT 4										1								/7.11
SPARE OUTPUT 7																			/7.11
REAIM LAMP YEBN +A11-6SL14 X1 5 (7.14) SPARE OUTPUT 8 6 (7.15) SPARE OUTPUT 9 7 (7.15) SPARE OUTPUT 10 8 (7.16) GND WHPK +A11-6SL14 X2 9											1								
SPARE OUTPUT 8 6 /7.15 SPARE OUTPUT 9 7 /7.15 SPARE OUTPUT 10 8 /7.16 GND WHPK +A11-6SL14 X2 9 /7.17																			
SPARE OUTPUT 9 7 /7.15 SPARE OUTPUT 10 8 /7.16 GND WHPK +A11-6SL14 X2 9 /7.17							YEBN	+A11-6SL	.14	X1									
SPARE OUTPUT 10 8 /7.16 GND WHPK +A11-6SL14 X2 9 /7.17																-			
GND WHPK +A11-6SL14 X2 9 //7.17																			
							WHPK	+A11-6SL	.14	X2									
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Plug strip connection diagram Strip designation Cable name +A14-1A6-PL22 Spare plug for connection height detection bar on APS-board left Luminoscope system LET 0CAB200100020 20x0.14 mm² Device connection point Plug designation Connection point Cable type Function text Target designation Target designation Page / column +5V +A17-B1 /8.3 1 2 /8.3 **GND** +A17-B1 3 +5V +A17-B9 3 /8.4 4 **GND** +A17-B9 /8.4 5 CEL 1 5 /8.5 +A17-B1 CEL 2 6 +A17-B2 Q 6 /8.6 CEL 3 7 +A17-B3 Q 7 /8.7 8 CEL 4 +A17-B4 Q 8 /8.8 CEL 5 9 +A17-B5 /8.9 10 CEL 6 +A17-B6 10 /8.10 CEL 7 11 +A17-B7 11 /8.11 Q CEL 8 12 +A17-B8 Q 12 /8.12 13 CEL 9 +A17-B9 Q 13 /8.13 CEL 10 14 +A17-B10 Q 14 /8.13 15 **CEL 11** +A17-B11 Q 15 /8.14 CEL 12 16 +A17-B12 Q 16 /8.15 **CEL 13** 17 +A17-B13 Q 17 /8.16 **CEL 14** 18 +A17-B14 Q 18 /8.17 **CEL 15** 19 +A17-B15 Q 19 /8.18 CEL 16 20 +A17-B16 Q 20 /8.19 27 19/04/2019 VAARTLAAN 20 Date IDE190006-T5E01_ Drawingnumber + PLUG LET SAM-LVC1050-FM with height detection TEL:+32 (0)9 381 87 87 FAX:+32 (0)9 386 92 00 EMAIL:INFO@LET.BE Connector strip connection diagram IDE190006-T5E01_ Appr Page

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				Cable name	Plug		+A14	designa -1A6- PS-board le	-PL23	oscope system	Cable name		
				Cable type		Connection point	Plug designation	Jumper	Device connection point	Connection point	Cable type		
Function	n text				Target designation	2	4			Target designation			Page / column
24V DLD					-1A6-PL23 -1A6-PL23	2	2				+		/4.12 /4.13
ND					2/10 1 LEJ	1	3				\dashv		/4.13
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			Cable name	Plug for connection pus		+A14		-PL30) PS-board left Luminoscope system		Cable name			
			Cable type		Connection point	Plug designation	Jumper	Device connection point		Connection point	Cable type			
Function text				Target designation					Target designation					Page / column
24V						1					 		/5.13	
IR 0 L/R MOVEMENT IR 1 L/R MOVEMENT						3					 		/5.13 /5.14	
IR 0 U/D MOVEMENT						4					1		/5.15	
IR 1 U/D MOVEMENT						5							/5.16	
ND						6							/5.17	
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						Cable name	1		+A14	designa -2B1- rement left	PL9.	1 cope system	Cable name	W-A14-1A6-PL9/A14-2B1-PL9.1	
1 -1A6-PL9 1 BK /2.3 2 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	_					Cable type	T	Connection point	Plug designation	Jumper	Device connection point		Cable type	LET 0MOT503570100 4x0.14	
Comparison		nction text					l arget designation		1					DIC	
A 3 -1A6-PL9 3 WH /2.4 V -1A6-PL9 4 RD /2.4	ND								_			-1AO-PL9 1	\dashv	BK	
	IA				T							-1A6-PL9 3		WH	
B														-	
	В								5			-1A6-PL9 5		BN	/2.5

							Cable name		Plug encoder		-A14-	designa 3B2-F	PL13.	. 1 Ift Luminoscope system		Cable name	W-A14-1A6-PL13/A14-3B2-PL13.1			
							Cable type			Connection point	Plug designation	Jumper	Device connection point		Connection point	Cable type	UNITRONIC® FD CP plus 10x0,14 mm²			
	F	unction text							arget designation					Target designation						Page / column
N.C.								-3B2		NC1	1			-1A6-PL13	1	-	BN		/3.3	
+5V GND								-3B2 -3B2		+5V GND	3			-1A6-PL13 -1A6-PL13	3	-	RD PK		/3.3 /3.4	
۱.C.								-3B2 -3B2		NC2	4			-1A6-PL13	4		YE		/3.4	
CHA-								-3B2		CHA-	5			-1A6-PL13	5	1	GN		/3.5	
CHA+								-3B2		CHA+	6			-1A6-PL13	6		BU		/3.5	
СНВ-								-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		ВК		/3.7	
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Function text Functi	MOT- MOT+ BRAKE+ MOT+ =		Cable type		Connection point	1 2 3	Jumper	Device connection point	-1A6-PL15	1	Cable type				Page / column
MOT- MOT- MOT- MOT- MOT- MOT- MOT- MOT-	MOT- MOT+ BRAKE+ MOT+ =			Target designation		2 3			-1A6-PL15			1			Page / column
MOT+ BRAKE+ MOT+ MOT+ MOT+ STATE OF THE PARTY OF THE PA	MOT+ BRAKE+ MOT+ =					2 3						1			
BRAKE+ 3 -1A6-PL15 3 /4.7 MOT+ 4 -1A6-PL15 2 2 /4.4 = 5 5 -1A6-PL15 2 /4.6	BRAKE+ MOT+ =					3						1 1	1	, , → ¬	
MOT+	MOT+ =							1	-1A6-PL15	3		3			
= 5 /4.6	=														
BRAKE- 6 -1A6-PLIS 4 4 74.8 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	BRAKE-					_								/4.6	

Punction text Puncti								Cable name w-A14-3SE8		Plug zero proxim	ity switch	+A1	designa 4-PL1	L4.1	d left Luminoscope system		Cable name	W-A14-1A6-PL14		
		V	unction text					BN	-3SE8-S1	L	1	1	Jumper	Device connection point	-1A6-PL14	1	Cable type	BN	_	Page / column
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Fundantest Target designation Target designati									Cable name	Plug ze		414- 2	designa 2SE6- 'R moveme	PL10	0.1 uminoscope system	Cable name	W-A14-1A6-PL10/A14-2SE6-PL10.1		
24V 1 1 -1A6-PL10 1 BN /2.9 ND 3 -1A6-PL10 3 BU /2.10									Cable type		Connection point	Plug designation	Jumper	Device connection point		Cable type	RKT 4-07/2M 4x0,34 mm ²		
ND 3 -1A6-PL10 3 BU /2.10		unction text			_					Target designation									
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		Cable name	Plug COM-port hostcomputer sup		CLIE	designa	S101	. 1 S232 communication with left Lumin	oscope	Cable name	W-A12-XS101/CLIENT-XS101.1		
Formation hook		Cable type	Taxach designation	Connection point	Plug designation	Jumper	Device connection point	Taugah dasignahian	Connection point	Cable type	LET.KABAS SER-03,0-MV-9P 9x0.25 mm ²	Pool	oo / column
Function text			Target designation		1			Target designation					ge / column
I.C. XD		 			2			+A12-XS101 +A12-XS101	2		2	/1.5 /1.6	
XD		 			3			+A12-XS101 +A12-XS101	3	1	3	/1.6	
-					4			+A12-XS101	4	1	4	/1.6	
I.C.					5			+A12-XS101	5		5	/1.7	
IND					6			+A12-XS101	6		6	/1.7	
I.C.					7			+A12-XS101	7		7	/1.8	
•					8			+A12-XS101	8	-	8	/1.8	
•					9			+A12-XS101	9	-	9	/1.8	
										1			
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						W-A12-XS105/CLIENT-XS105.1	Cable name	Plug VGA-port from LCD-		-CLIE		S105.1	for visualizations left Luminoscope		Cable name		
Fu	inction text					LET.KABAS VGA-10,0-MM 10x0.25 mm ²	Cable type	Target designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point	Cable type		Page / column
RED						RD)	+A12-XS105;-XS105.1	1	1			. a. get accignation				/1.14
GREEN						RD 03/	5	+A12-XS105;-XS105.1 +A12-XS105;-XS105.1	2	2							/1.14
BLUE						9 2 5	5	+A12-XS105;-XS105.1	3	3							/1.15
RESERVED						ુ	}	+A12-XS105	4	4							/1.16
GND HSYNC						9t	"	+A12-XS105	5	5							/1.16
RED GND						0.14	4	-XS105.1	1	6							/1.14
GREEN GND								-XS105.1	2	7							/1.15
BLUE GND							1	-XS105.1	3	8							/1.15
N.C.							7			9							/1.17
=						WH 0-14		+A12-XS105	10	10							/1.17
ID0						Y5K	. 1	+A12-XS105	11	11							/1.17
SDA						95H		+A12-XS105	12	12							/1.18
H_SYNC						Գ <u>1</u>	' <u>'</u>	+A12-XS105	13	13							/1.18
V_SYNC						0 /1/	4	+A12-XS105	14	14							/1.18
N.C.						0.1				15							/1.19
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0 1 2 3 4 5 6 7 8 9 11 12 13 14 15 16 17 18 19

Cable overview

Cable name	Source (from)	Target (to)	Cable type	Number of conductors	Conductors used	Cross-section [mm ²]	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	+A11-5SL6						
	+A14-1A6-PL17	+A11-5SN4						
	+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						

+PLUG/35										2
		Date	19/04/2019	IDE190006-T5E01_		VAARTLAAN 20	CAB:	Drawingnumber	, CADLE	
		Ed.	LET	SAM-LVC1050-FM with height detection			Cable summary	IDE190006-T5E01_	+ CABLE	
		Appr			AUTOMOTIVE	FAX:+32 (0)9 386 92 00	, ,	1DL190000-13L01_		Page 1

Cable diagram Cable name Cable type No. of conductors Cross-section Cable length Function text ÖLFLEX® FD CLASSIC 810 5 W-A1-XS0/A14-1A6-PL5 1,5 mm² Cable 24Vdc compact power supply box -> APS-board Luminoscope Connection Connection Function text X-Ref Target designation from Conductor Target designation to X-Ref Function text point 24V 24VDC APS +A1/1.12 +A1-XS0 +A14-1A6-PL5 +A14/1.7 1 3 GND APS +A14/1.7 GND +A1/1.12 +A1-XS0 2 +A14-1A6-PL5 3 4 Ε 2 PE +A1/1.14 +A1-XS0 **GNYE** +A14-1A6-PL5 +A14/1.7 PE VAARTLAAN 20
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Cable diagram Cable length Cable name Cable type No. of conductors Cross-section Function text W-A12-XS101/CLIENT-XS101.1 LET.KABAS SER-03,0-MV-9P 0.25 mm² 10 Cable RS232 interface optical unit Luminoscope <-> Hostcomputer supplied by Shenzhen or the end-user Connection Connection X-Ref Function text Target designation from Conductor Target designation to X-Ref Function text point N.C. N.C. +CLIENT/1.5 +A12/1.8 +A12-XS101 +CLIENT-XS101.1

TXD	+A12/1.9	+A12-XS101	2	2	+CLIENT-XS101.1	2	+CLIENT/1.6	RXD
RXD	+A12/1.9	+A12-XS101	3	3	+CLIENT-XS101.1	3	+CLIENT/1.6	TXD
=	+A12/1.9	+A12-XS101	4	4	+CLIENT-XS101.1	4	+CLIENT/1.6	=
N.C.	+A12/1.10	+A12-XS101	5	5	+CLIENT-XS101.1	5	+CLIENT/1.7	N.C.
GND	+A12/1.10	+A12-XS101	6	6	+CLIENT-XS101.1	6	+CLIENT/1.7	GND
N.C.	+A12/1.10	+A12-XS101	7	7	+CLIENT-XS101.1	7	+CLIENT/1.8	N.C.
=	+A12/1.11	+A12-XS101	8	8	+CLIENT-XS101.1	8	+CLIENT/1.8	=
=	+A12/1.11	+A12-XS101	9	9	+CLIENT-XS101.1	9	+CLIENT/1.8	=
				SH				
	ı				<u>'</u>	1	1	

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Cable diagram Cable name Cable type No. of conductors Cross-section Cable length Function text KABUT 4P-PLATTEKABEL-RJ10 W-A12-XS102/A14-1A6-PL7 0,14 mm² Cable canbus input APS-board from optical unit Luminoscope Connection Connection Function text X-Ref Target designation from Conductor Target designation to X-Ref Function text point CAN_V+ CAN_V+ +A12/1.15 +A12-XS102 BK +A14-1A6-PL7 +A14/1.13 CAN_H +A12/1.16 +A12-XS102 RD 2 +A14/1.13 CAN_H +A14-1A6-PL7 CAN_L +A12/1.16 3 CAN_L +A12-XS102 3 GN +A14-1A6-PL7 +A14/1.14 CAN_GND +A12/1.17 +A12-XS102 YΕ +A14/1.14 CAN_GND +A14-1A6-PL7 19/04/2019 VAARTLAAN 20 IDE190006-T5E01_ Date Drawingnumber B-9800 DEINZE TEL:+32 (0)9 381 87 87 FAX:+32 (0)9 386 92 00 EMAIL:INFO@LET.BE + CABLE Ed. LET SAM-LVC1050-FM with height detection Cable interconnection diagram IDE190006-T5E01_ Appr Page Modification Total Date Original

Cable name		Cable type	No. of conductors		ss-section Cable length			Function text
W-A12-XS105/CLIENT-XS105.1	LE1.KA	ABAS VGA-10,0-MM	10	0.2	25 mm ² 10	Cable VGA outp	out optical unit Luminoso	cope -> LCD screen supplied by Shenzhen or the end-user
Function text	X-Ref	Target designation from	Connection point Co	nductor	Target designation to	Connection point	X-Ref	Function text
RED	+A12/2.8	+A12-XS105	1 R	D 0.25	+CLIENT-XS105.1	1	+CLIENT/1.14	RED
GREEN	+A12/2.9	+A12-XS105	2 G	N 0.25	+CLIENT-XS105.1	2	+CLIENT/1.14	GREEN
BLUE	+A12/2.10	+A12-XS105	3 B	U 0.25	+CLIENT-XS105.1	3	+CLIENT/1.15	BLUE
RESERVED	+A12/2.11	+A12-XS105	4 G	N 0.14	+CLIENT-XS105.1	4	+CLIENT/1.16	RESERVED
GND HSYNC	+A12/2.11	+A12-XS105	5 B	U 0.14	+CLIENT-XS105.1	5	+CLIENT/1.16	GND HSYNC
GND VSYNC	+A12/2.12	+A12-XS105	10 W	H 0.14	+CLIENT-XS105.1	10	+CLIENT/1.17	N.C.
ID0	+A12/2.12	+A12-XS105	11 B	K 0.14	+CLIENT-XS105.1	11	+CLIENT/1.17	ID0
SDA	+A12/2.13	+A12-XS105	12 B	N 0.14	+CLIENT-XS105.1	12	+CLIENT/1.18	SDA
H_SYNC	+A12/2.13	+A12-XS105	13 R	D 0.14	+CLIENT-XS105.1	13	+CLIENT/1.18	H_SYNC
V_SYNC	+A12/2.13	+A12-XS105	14 V	T 0.14	+CLIENT-XS105.1	14	+CLIENT/1.18	V_SYNC
				SH				

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Cable diagram Cable name Cable type No. of conductors Cross-section Cable length Function text W-A14-1A6-PL4/A12-XS100 ÖLFLEX® FD CLASSIC 810 2 0,75 mm² Cable 24Vdc APS controller board -> optical unit Luminoscope Connection Connection Function text X-Ref Target designation from Conductor Target designation to X-Ref Function text point 24V_LVC 24V +A12/1.4 +A12-XS100 +A14-1A6-PL4 +A14/1.10 Α GND_LVC 2 +A12/1.4 +A12-XS100 +A14/1.10 GND +A14-1A6-PL4 VAARTLAAN 20
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Cable diagram Cable name Cable type No. of conductors Cross-section Cable length Function text LET 0MOT503570100 W-A14-1A6-PL9/A14-2B1-PL9.1 0.14 mm² Cable encoder L/R movement -> APS controller board Luminoscope Connection Connection Function text X-Ref Target designation from Conductor Target designation to X-Ref Function text point GND GND +A14/2.3 +A14-1A6-PL9 BK +A14-2B1-PL9.1 +A14/2.3 CHA 3 +A14/2.4 CHA +A14/2.4 +A14-1A6-PL9 WH +A14-2B1-PL9.1 CHB BN 5 +A14/2.5 +A14/2.5 +A14-1A6-PL9 +A14-2B1-PL9.1 CHB RD +5V +5V +A14/2.4 +A14-1A6-PL9 +A14/2.4 +A14-2B1-PL9.1 VAARTLAAN 20
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Cable diagram Cable name Cable type No. of conductors Cross-section Cable length Function text RKT 4-07/2M W-A14-1A6-PL10/A14-2SE6-PL10.1 0,34 mm² Cable zero proximity switch L/R movement -> APS controller board Luminoscope Connection Connection Function text X-Ref Target designation from Conductor Target designation to X-Ref Function text point +24V +A14/2.9 +A14-1A6-PL10 +A14-2SE6-PL10.1 +A14/2.9 +24V WH 3 BU 3 +A14/2.10 GND GND +A14/2.10 +A14-1A6-PL10 +A14-2SE6-PL10.1 BK +A14/2.9 ZERO ZERO +A14/2.9 2 +A14-1A6-PL10 +A14-2SE6-PL10.1 VAARTLAAN 20
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Cable diagram Cable name Cable type No. of conductors Cross-section Cable length Function text UNITRONIC® Liyy W-A14-1A6-PL11/A14-2SD10 0,34 mm² Cable limit switch L/R movement -> APS controller board Luminoscope Connection Connection Function text X-Ref Target designation from Conductor Target designation to X-Ref Function text point WH С +A14/2.12 +24V +A14/2.12 BN +A14-2SD10-S1 +24V +A14-1A6-PL11 GN LIMIT 0 2 YΕ NC +A14/2.12 +24V +A14/2.13 +A14-1A6-PL11 +A14-2SD10-S1 10 VAARTLAAN 20
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Cable name W-A14-1A6-PL13/A14-3B2-PL13.1		Cable type ONIC® FD CP plus	No. of conductor		s-section 14 mm²	Cable length	C		Function text ment -> APS controller board Luminoscope
Function text	X-Ref	Target designation from	Connection point	Conductor	Targe	t designation to	Connection point	X-Ref	Function text
CH0-	+A14/3.6	+A14-1A6-PL13	9	WH	+A14-3B2	PL13.1	9	+A14/3.6	CH0-
N.C.	+A14/3.3	+A14-1A6-PL13	1	BN	+A14-3B2	PL13.1	1	+A14/3.3	N.C.
CHA-	+A14/3.5	+A14-1A6-PL13	5	GN	+A14-3B2	PL13.1	5	+A14/3.5	CHA-
N.C.	+A14/3.4	+A14-1A6-PL13	4	YE	+A14-3B2	PL13.1	4	+A14/3.4	N.C.
CHB+	+A14/3.6	+A14-1A6-PL13	8	GY	+A14-3B2	PL13.1	8	+A14/3.6	CHB+
GND	+A14/3.4	+A14-1A6-PL13	3	PK	+A14-3B2	PL13.1	3	+A14/3.4	GND
CHA+	+A14/3.5	+A14-1A6-PL13	6	BU	+A14-3B2	PL13.1	6	+A14/3.5	CHA+
+5V	+A14/3.3	+A14-1A6-PL13	2	RD	+A14-3B2	PL13.1	2	+A14/3.3	+5V
CH0+	+A14/3.7	+A14-1A6-PL13	10	ВК	+A14-3B2	PL13.1	10	+A14/3.7	CH0+
CHB-	+A14/3.5	+A14-1A6-PL13	7	VT	+A14-3B2	PL13.1	7	+A14/3.5	CHB-
				SH					

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Cable name W-A14-1A6-PL14		Cable type FRONIC® LiYY	No. of conduc		s-section Cable length	Cable zer		Function text /D movement -> APS controller board Luminoscope
Function text	X-Ref	Target designation from	Connection point	Conductor	Target designation to	Connection point	X-Ref	Function text
				WH				
+24V	+A14/3.9	+A14-1A6-PL14	1	BN	+A14-PL14.1	1	+A14/3.9	+24V
LIM0	+A14/3.12	+A14-1A6-PL14	5	GN	+A14-3SD10-S1	NC	+A14/3.12	=
+24V	+A14/3.12	+A14-1A6-PL14	4	YE	+A14-3SD10-S1	С	+A14/3.12	=
				GY				
GND	+A14/3.9	+A14-1A6-PL14	3	PK	+A14-PL14.1	3	+A14/3.9	GND
				BU				
ZERO	+A14/3.9	+A14-1A6-PL14	2	RD	+A14-PL14.1	2	+A14/3.9	ZERO
				BK				
				VT				

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Cable diagram Cable name Cable type No. of conductors Cross-section Cable length Function text UNITRONIC® Liyy W-A14-1A6-PL14/A14-3SD14 0,25 mm² Cable lower limit switch U/D movement -> APS controller board Luminoscope Connection Connection Function text X-Ref Target designation from Conductor Target designation to X-Ref Function text point WH С +A14/3.14 +24V +A14/3.14 BN +A14-3SD14-S1 +24V +A14-1A6-PL14 GN LIM1 8 YΕ NC +A14/3.14 +24V +A14/3.15 +A14-3SD14-S1 +A14-1A6-PL14 13 VAARTLAAN 20
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Cable name W-A14-1A6-PL15/A14-4M2-PL15.1		Cable type § FD CLASSIC 810	No. of conduc		s-section 75 mm²	Cable length	Cabl		Function text ovement -> APS controller board Luminoscope
Function text	X-Ref	Target designation from	Connection point	Conductor	Targe	et designation to	Connection point	X-Ref	Function text
				GNYE					
MOT-	+A14/4.3	+A14-1A6-PL15	1	1	+A14-4M2	-PL15.1	1	+A14/4.3	мот-
MOT+	+A14/4.4	+A14-1A6-PL15	2	2	+A14-4M2	-PL15.1	4	+A14/4.4	MOT+
BRAKE+	+A14/4.7	+A14-1A6-PL15	3	3	+A14-4M2	-PL15.1	3	+A14/4.7	BRAKE+
BRAKE-	+A14/4.8	+A14-1A6-PL15	4	4	+A14-4M2	-PL15.1	6	+A14/4.8	BRAKE-

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0 1 2 3 4 5 6 7 8 9 11 12 13 14 15 16 17 18 19

Cable diagram

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

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Cable name		Cable type	No. of conductors		s-section Cable length			Function text
W-A14-1A6/A11	UNITF	ONIC® FD CP plus	25	0,2	25 mm ²	Cable wiring	I/O from pushbuttons &	s signaltower controlbox -> APS-board Luminoscope unit
Function text	X-Ref	Target designation from	Connection point C	onductor	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	С	WHBK	+A14-1A6-PL14	14	+A14/3.20	GND
				SH				

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CAB: Cable interconnection diagram

Drawingnumber IDE190006-T5E01_ + CABLE

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Cable diagram Cable name Cable type No. of conductors Cross-section Cable length Function text BI5-Q08-VP6X2 W-A14-3SE8 0,25 mm² Cable zero proximity switch U/D movement Luminoscope Connection Connection Function text X-Ref Target designation from Conductor Target designation to X-Ref Function text point +24V +A14/3.9 +A14-PL14.1 +A14-3SE8-S1 +A14/3.9 +24V GND BU 2 +A14/3.9 +A14/3.9 +A14-PL14.1 3 +A14-3SE8-S1 BK 3 +A14/3.9 ZERO +A14/3.9 +A14-PL14.1 2 +A14-3SE8-S1 WH 17 VAARTLAAN 20
B-9800 DEINZE
TEL:+32 (0)9 381 87 87
FAX:+32 (0)9 386 92 00
EMAIL:INFO@LET.BE 19/04/2019 Date IDE190006-T5E01_ Drawingnumber + CABLE Ed. LET SAM-LVC1050-FM with height detection Cable interconnection diagram IDE190006-T5E01_ **16** 92 Appr Page Modification Date Total Original

Cable name W-CLIENT/A1-XL0		Cable type X® CLASSIC 100	No. of conduct	ı	cs-section Cable length 5 mm ²	220Vac pow		Function text supply box Luminoscope system from power net client
Function text	X-Ref	Target designation from	Connection point	Conductor	Target designation to	Connection point	X-Ref	Function text
PE	+A1/1.5	+A1-XL0	3PE	GNYE	PE		+A1/1.5	
220VAC/L	+A1/1.3	+A1-XL0	1	BN	L		+A1/1.3	
220VAC/N	+A1/1.4	+A1-XL0	2	BU	N		+A1/1.4	

+BOM/1 VAARTLAAN 20
B-9800 DEINZE
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FAX:+32 (0)9 386 92 00
EMAIL:INFO@LET.BE 19/04/2019 CAB: Cable interconnection diagram Date Drawingnumber IDE190006-T5E01_ + CABLE Ed. LET SAM-LVC1050-FM with height detection IDE190006-T5E01_

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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	HFSCH 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	156.74.1.15.1.15.2/2.14.
+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
+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 Phoenix Contact	3030417	KLEM ST-0.06-2.5-V-AARDING KLEM DIVERS EP-ST
+A1-XL0	1	Terminal strip marker for strip marking, snap onto end bracket E/UK	KLM	Phoenix Contact Phoenix Contact	1004306	MARK KLE-KLM
		Glas tube fuse 5x20mm, time-delay, 250Vac, 5A	ZEKER BUI-5A-T	LET	ZEKER BUI-5A-T	ZEKER BUI-5A-T
+A1-1XL8	1					
+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 LET	3025590	KLEM DIVERS ZFK6-DREHSILA250
+A1-1XL9	1	Glas tube fuse 5x20mm, time-delay, 250Vac, 5A	ZEKER BUI-5A-T		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 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-ONDER-2BE-102 BEDEL TM-TOEBE-ZBY-9330
+A12	1	Complete assembled optical unit type LVC1060 (ACS200)-12 cells	EP 051018F00OPT/	LET	EP 051018F00OPT/	EP 051018F00OPT
1714	1 1	Complete assembled optical unit type EVC1000 (AC3200)-12 Cells	FL 0310101 000L1\	LL!	FL 0210101000L1/	FL 0210101000L1

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List bill of material

Device tag	Quantity	Designation	Type number	Supplier	Supplier-ordercode	LET-reference numbe
+A14-2B1	1	Assembled encoder module L/R movement with encoder HEDS-5500-F06 type PLM-FM	HF 040163A00KOL/	LET	HF 040163A00KOL/	HF 040163A00KOL/
+A14-2M14	1	Assembled motor module L/R movement with DC-motor GR53X30+PLG52-28,12:1 type PLM	HF 040166B00KOL/	LET	HF 040166B00KOL/	HF 040166B00KOL/
+A14-4M2	1	Module DC-Motor with mounted brake & encoder up/down movement GR53X58	Dunker:GR53X58+E90R+RE30-2-500ti	LET	HF 090125_00KOL/	HF 090125_00KOL/
+A14-2SD10	1	Overtravel switch NO/NC contact, cross roller plunger	Z-15GQ21-B	Omron	Z-15GQ21-B	MICSW OMR-VOL-Z-15GQ21-B
+A14-3SD10	1	Miniature overtravel switch NO/NC contact, short hinge roller lever	V165-1C5	Omron	V165-1C5	MICSW OMR-VOL-V165-1C5
+A14-3SD14	1	Miniature overtravel switch NO/NC contact, short hinge roller lever	V165-1C5	Omron	V165-1C5	MICSW OMR-VOL-V165-1C5
+A14-2SE6	1	Inductive sensor M18, switching distance 8mm, 10-30Vdc, M12 connector, NO, PNP,3-wire	IME18-08BPSZCOS	SICK	1040966	PXSCH SIC-I-M18-008MM-C
+A14-3SE8	1	Inductive sensor PH3, switching distance of min, 10-30vdc, 1-12 connector, NO, PNP, 3-wire Inductive rectangular proximty switch with cable 2m, 10-30vdc, 4-wire, NO contact, PNP, operating		Turck	16001	PXSCH-TUR-I-REC-005MM-KBI5-Q08-VP6X
+A17	1	Height detection bar for headlamp position	HF-040273A00KOL	LET	HF-040273A00KOL	HF-040273A00KOL
TAL/	1	riegit detection on for neadining position	TII - OTOZ / JAUGNOL		TII -04027 SAUDICOL	TII - UTUZ/ SAUUKUL

			Date	19/04/2019	IDE190006-T5E01
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