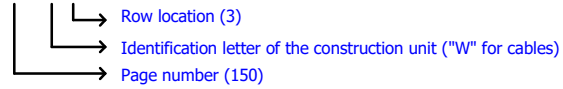


Composition of the Cable Marking

150W3



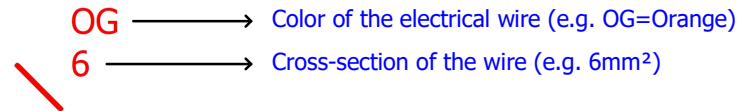
Cable Cross-Sections When Not Specified In the Project

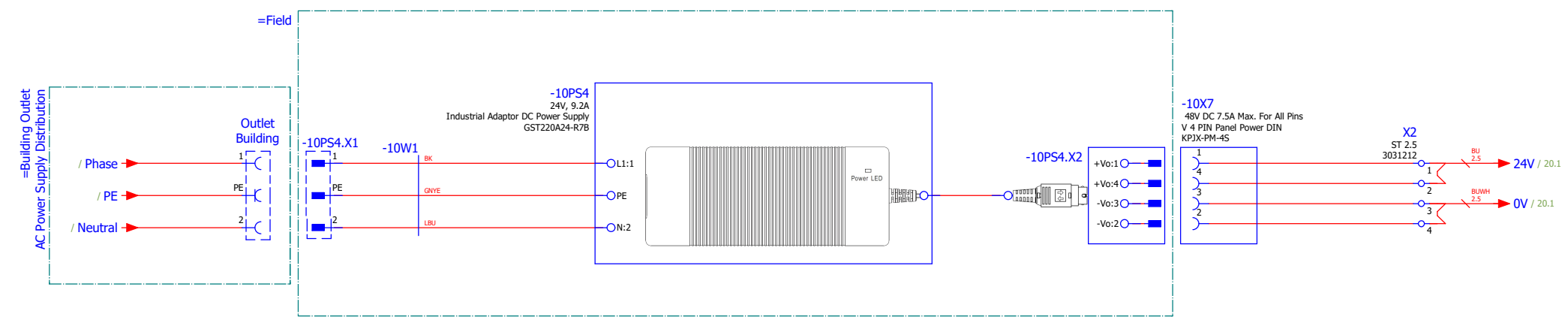
- 2.5mm² - Power Circuits (230, 400V)
- 2.5mm² - Grounding; machine, structures, components
- 1.0mm² - Safety Circuits
- 0.5mm² - Control Circuits (Including PLC I/Os)

Cable Rating Table

Cable Cross Sectional Area (mm ²)	Typical Current Rating (amps)	Recommended Circuit Breaker Rating (amps)
1.5 mm ²	7.9 - 15.9A	8A
2.5 mm ²	15.0 - 22A	15A
4 mm ²	22 - 30A	20A
6 mm ²	30 - 39A	30A
10 mm ²	39 - 54A	40A
16 mm ²	54 - 72A	60A
25 mm ²	71 - 93A	80A
50 mm ²	117 - 147A	125A
70 mm ²	147 - 180A	150A
95 mm ²	180 - 216A	200A
120 mm ²	216 - 250A	225A
150 mm ²	250 - 287A	275A
185 mm ²	287 - 334A	300A
240 mm ²	334 - 400A	350A

Connection Definition





= + / 5

				Date	3/5/2024	Number		Lilium eAircraft GmbH	Panel Feeding		= Main Enclosure	
				Ed.	MATHEUS HAGEMANN	Stacking & Compressing						+ E01
				Appr.		Replacement of						Page
				Original		Replaced by						10
Modification	Date	Name									EL012	Page
												5 / 31

Layout Hardware



-90KF1
WAGO.762-5305/8000-002
762-5305/8000-002

Scale 1:2

			Date	3/4/2024	Number		Layout HMI	= Main Enclosure	Page	90
			Ed.	MATHEUS HAGEMANN						
Modification	Date	Name	Original		Replacement of	Replaced by				

-90KF1
/110.4

WAGO
762-5305/8000-002

- X5:1 /110.2
2VDC
- X5:2 /110.2
GND
- X5:3 /110.3
FE

- 1 ○ X11:1
GND
- 1 I2.0 ○ X11:2
DIO 0
- 2 ○ X11:3
GND
- 2 I2.1 ○ X11:4
DIO 1
- 3 ○ X11:5
GND
- 3 I2.2 ○ X11:6
DIO 2
- 4 ○ X11:7
GND
- 4 I2.3 ○ X11:8
DIO 3
- X11:9
GND
- X11:10
2VDC

24V DC
0V DC



WAGO
762-5305/8000-002

- X1:1;2;3;4;5;6;7;8 /110.4
TX+;TX-RX+n.c.;n.c.;RX;n.c.
n.c.
- X2:1;2;3;4;5;6;7;8
TX+;TX-RX+n.c.;n.c.;RX;n.c.
n.c.
- X3:1;2;3;4;5;6;7;8;9
n.c.;RXD;TXD;n.c.;FB_GND;n.c.
RTS;CTS;n.c.
- X4:1;2;3;4;5;6;7;8;9
n.c.;CAN+;GND;n.c.;n.c.;n.c.
CAN;n.c.;n.c.
- X5:1;2;3;4
VBUS;D-/D+;GND
- X6:1;2;3;4
VBUS;D-/D+;GND
- X8:1;2;3

Ethernet 1

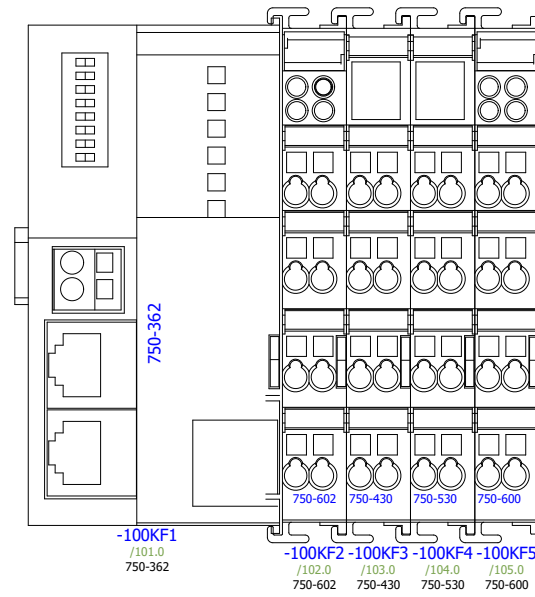


				Date	3/7/2024	Number				= Main Enclosure	
				Ed.	MATHEUS HAGEMANN	Stacking & Compressing				+ E01	
				Appr.		Replacement of		Replaced by		Page 95	
Modification	Date	Name	Original							EL012	Page 9 / 31



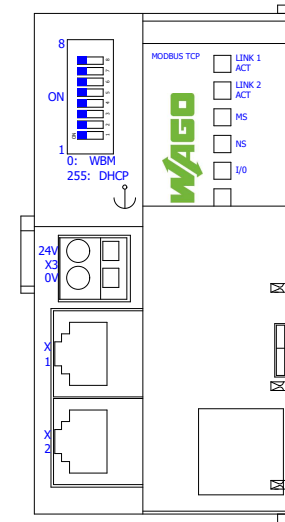
Overview HMI
Lilium eAircraft GmbH

Layout Hardware



				Date	3/4/2024	Number		Layout Hardware		= Main Enclosure	
				Ed.	MATHEUS HAGEMANN	Stacking & Compressing		Lilium eAircraft GmbH		+ E01	
				Appr.		Replacement of				Page 100	
Modification	Date	Name	Original	Replaced by		Replaced by				Page 10 / 31	





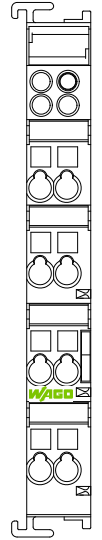
X3:1 /114.1 24VDC
 X3:2 /114.2 0VDC
 X1:1;2;3;4;5;6;7;8 /112.0 Ethernet 3
TD+;TD-;RD+;n.c.;n.c.;RD;n.c.
 X2:1;2;3;4;5;6;7;8 /112.0
TD+;TD-;RD+;n.c.;n.c.;RD;n.c.

				Date 3/7/2024		Number		LILIAM		Overview Modules Modbus TCP		= Main Enclosure	
				Ed. MATHEUS HAGEMANN		Stacking & Compressing				Lilium eAircraft GmbH		+ E01	
				Appr.		Replacement of				EL012		Page 101	
Modification				Date		Name		Original		Replaced by		Page 11 / 31	

-100KF2
/115.1
24 V DC

WAGO
750-602

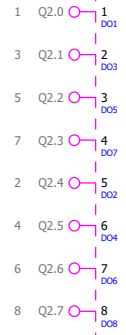
	1	1	n.c.	/115.1	
1	2	1	24V	/115.2	24VDC
1	3	1	0V	/115.3	0VDC
1	4		FE	/115.4	
	5		n.c.	/115.5	
2	6	2	24V	/115.6	24VDC
2	7	2	0V	/115.7	0VDC
2	8	2	FE	/115.8	



				Date	3/4/2024	Number	Stacking & Compressing		Overview Power Module	Lilium eAircraft GmbH	= Main Enclosure	
				Ed.	MATHEUS HAGEMANN						+ E01	
				Appr.							Page	102
Modification	Date	Name	Original	Replacement of	Replaced by					Page	12 / 31	

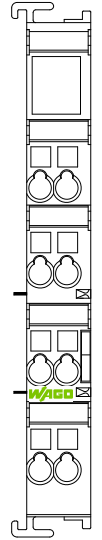
-100KF4
/119.1
8 DO
24 V DC
0.5 A

WAGO
750-530



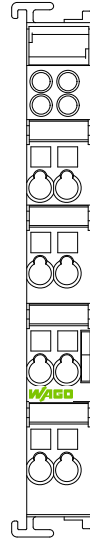
/119.1
/119.2
/119.3
/119.4
/119.5
/119.6
/119.7
/119.8

Input 1 Light Indicator
Input 2 Light Indicator
Input 3 Light Indicator
Reserve Output
Reserve Output
Reserve Output
Reserve Output
Reserve Output

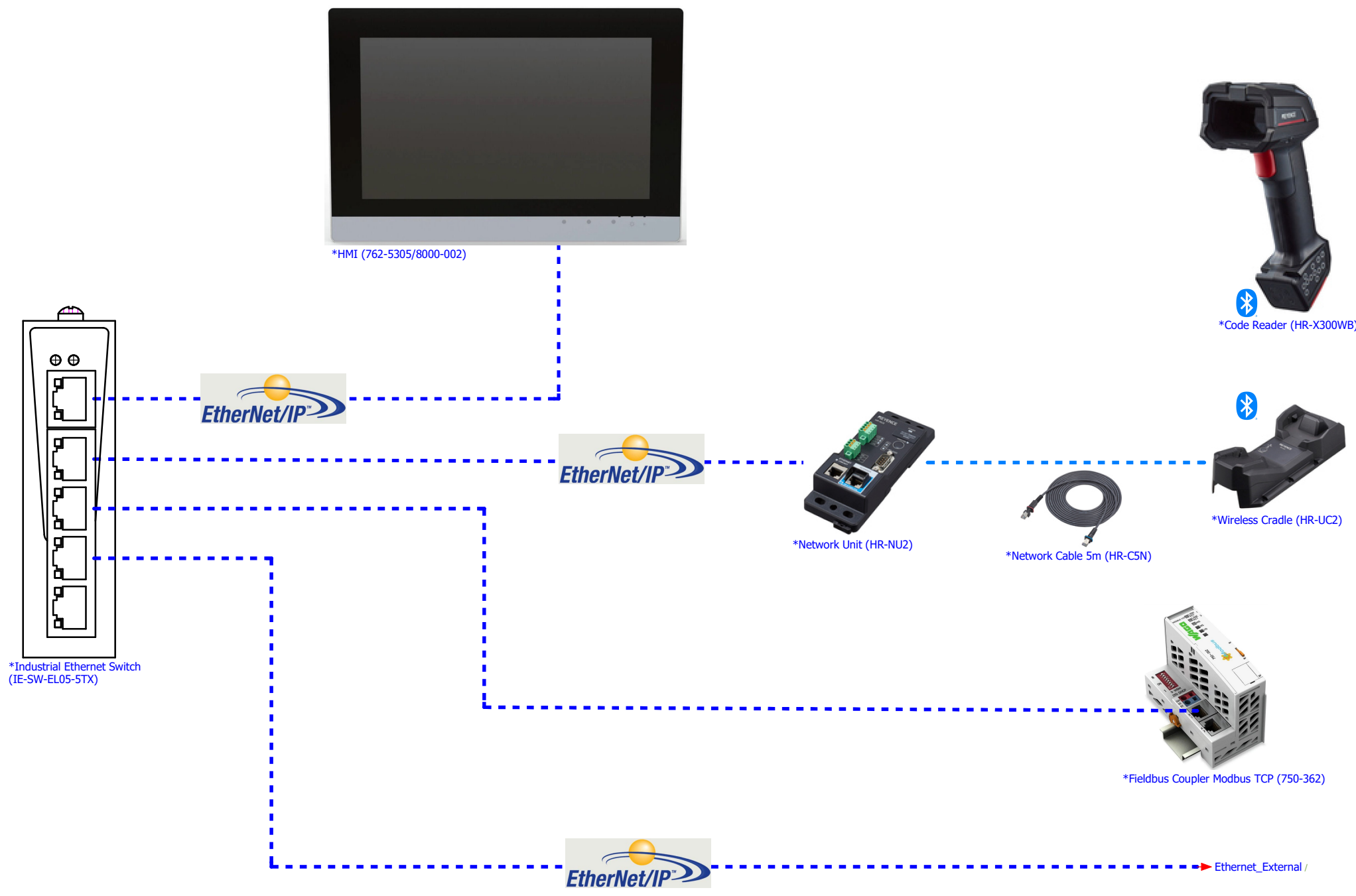


			Date	3/4/2024	Number Stacking & Compressing		Overview Module Output Lilium eAircraft GmbH	= Main Enclosure		
			Ed.	MATHEUS HAGEMANN				+ E01		
			Appr.					Page	104	
Modification	Date	Name	Original		Replacement of	Replaced by		EL012	Page	14 / 31

-100KF5 **WAGO**
750-600



			Date	3/4/2024	Number Stacking & Compressing Replacement of Replaced by		Overview End Module Lilium eAircraft GmbH	= Main Enclosure	
			Ed.	MATHEUS HAGEMANN				+ E01	
Modification	Date	Name	Original					EL012	Page 105



			Date	3/5/2024
			Ed.	MATHEUS HAGEMANN
			Appr.	
Modification	Date	Name	Original	

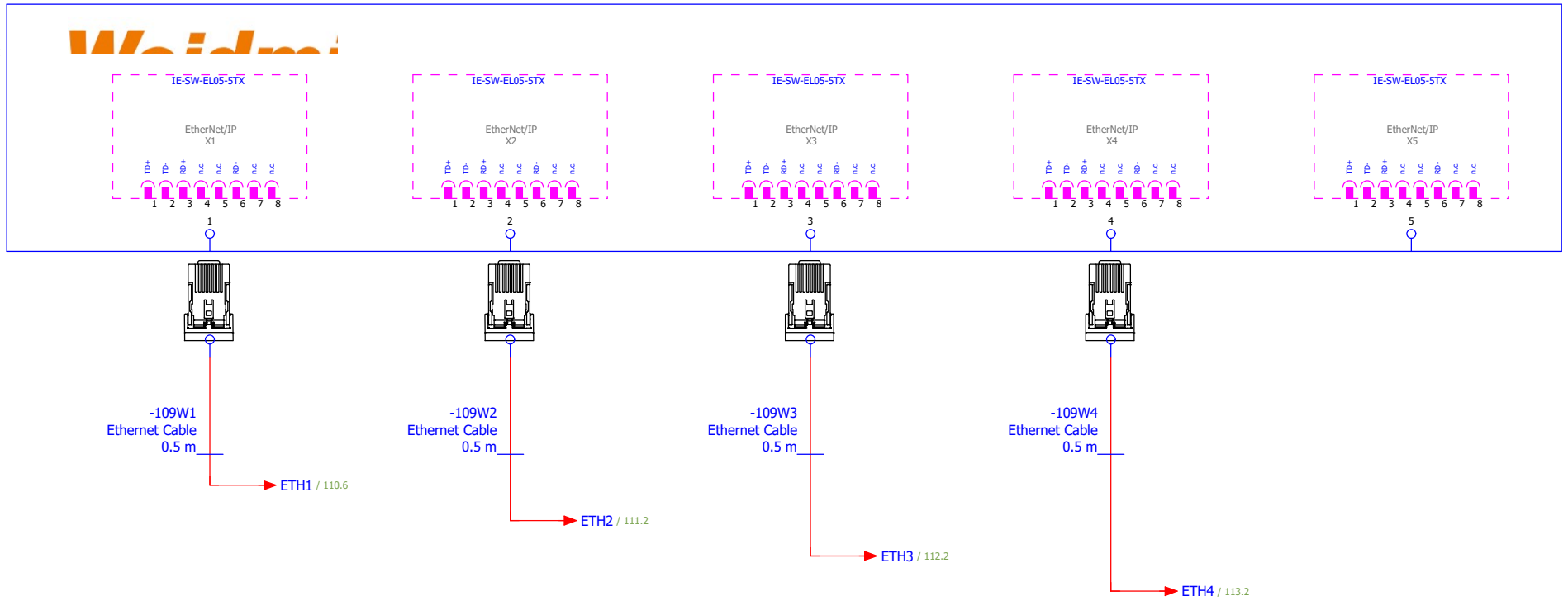
Number	
Stacking & Compressing	
Replacement of	Replaced by



Layout Map Communication
Lilium eAircraft GmbH

		= Main Enclosure
		+ E01
	EL012	
		Page 108
		Page 16 / 31

-109ES1
5 Port 100 MBit/s
Industrial Ethernet Switch
IE-SW-EL05-STX



*Industrial Ethernet Switch
IE-SW-EL05-STX

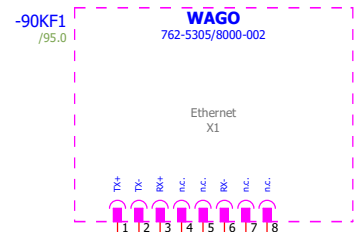
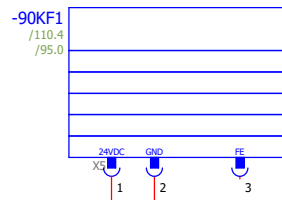
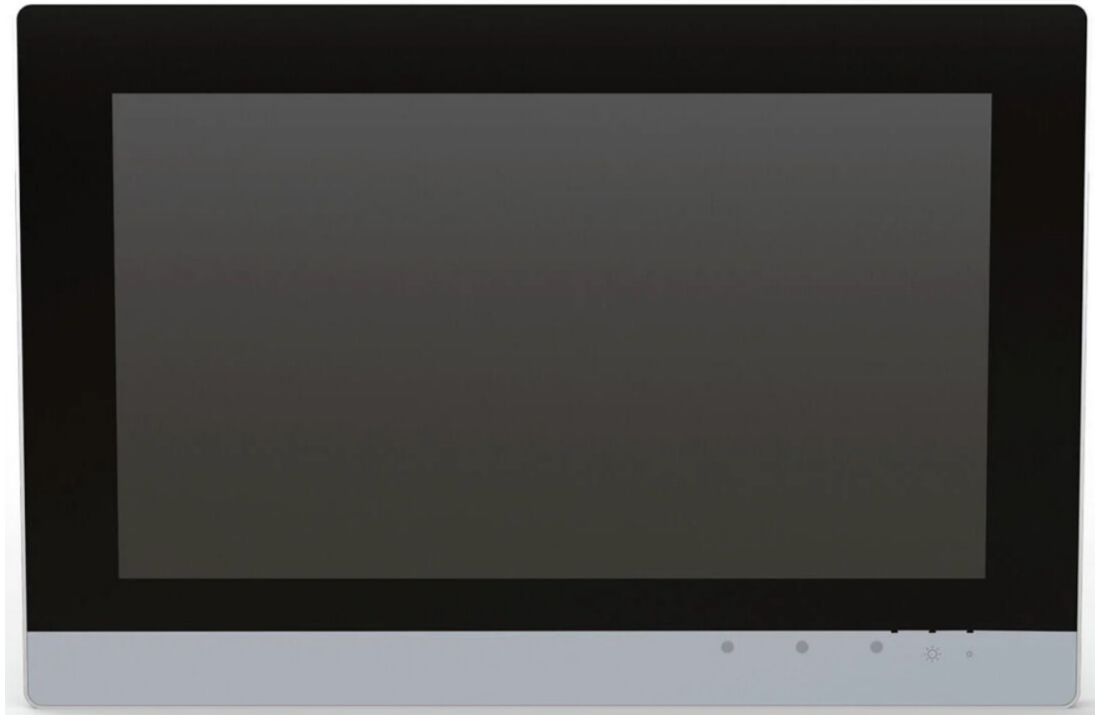
Modification	Date	Name	Original	Replacement of	Replaced by

Date	3/5/2024	Number	
Ed.	MATHEUS HAGEMANN	Stacking & Compressing	
Appr.			



Industrial Ethernet Switch
Lilium eAircraft GmbH

	EL012	= Main Enclosure + E01
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20.3 / 24VDC.2
20.3 / 0VDC.2

ETH1 / 109.2

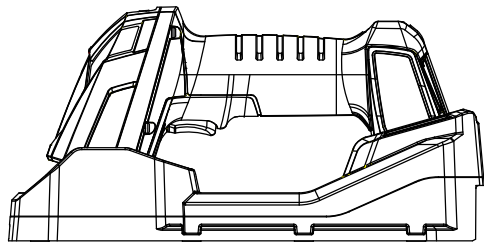
Modification	Date	Name	Original	Replaced by

Date	3/4/2024
Ed.	MATHEUS HAGEMANN
Appr.	
Number	Stacking & Compressing
Replacement of	
Replaced by	



Ethernet / RJ45 - HMI
Lilium eAircraft GmbH

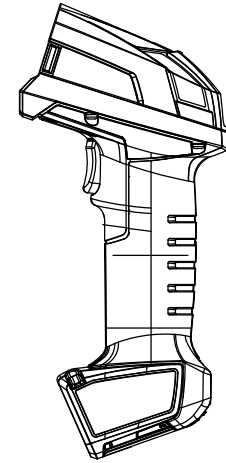
= Main Enclosure	
+ E01	
EL012	Page 110
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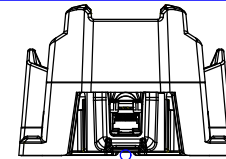
*Docked Mode

=Field

-111U7
HR-X300WB
Industrial Code Reader



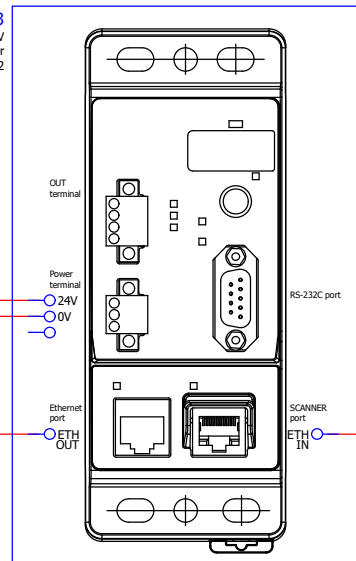
-111U6
AC adapter: 12VDC
Wireless Models Cradle
HR-UC2



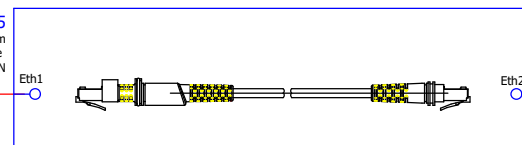
-111U3
Network unit / RS-232C port / Ethernet port / 24V
Conversion adapter
HR-NU2

20.3 / 24VDC.1
20.3 / 0VDC.1

109.3 / ETH2



-111U5
Sim
Network Unit Cable
HR-CSN



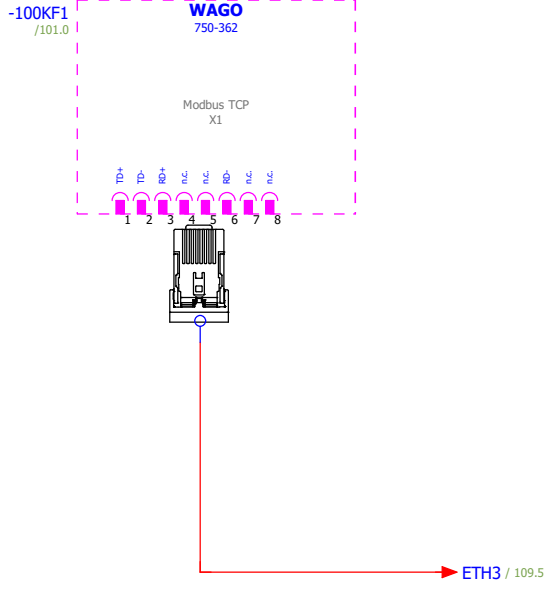
Modification	Date	Name	Date	3/5/2024
			Ed.	MATHEUS HAGEMANN
			Appr.	
			Original	

Number	Stacking & Compressing	
Replacement of	Replaced by	



Ethernet / RJ45 - Code Reader
Lilium eAircraft GmbH

= Main Enclosure	
+ E01	
EL012	Page 19 / 31
	Page 111



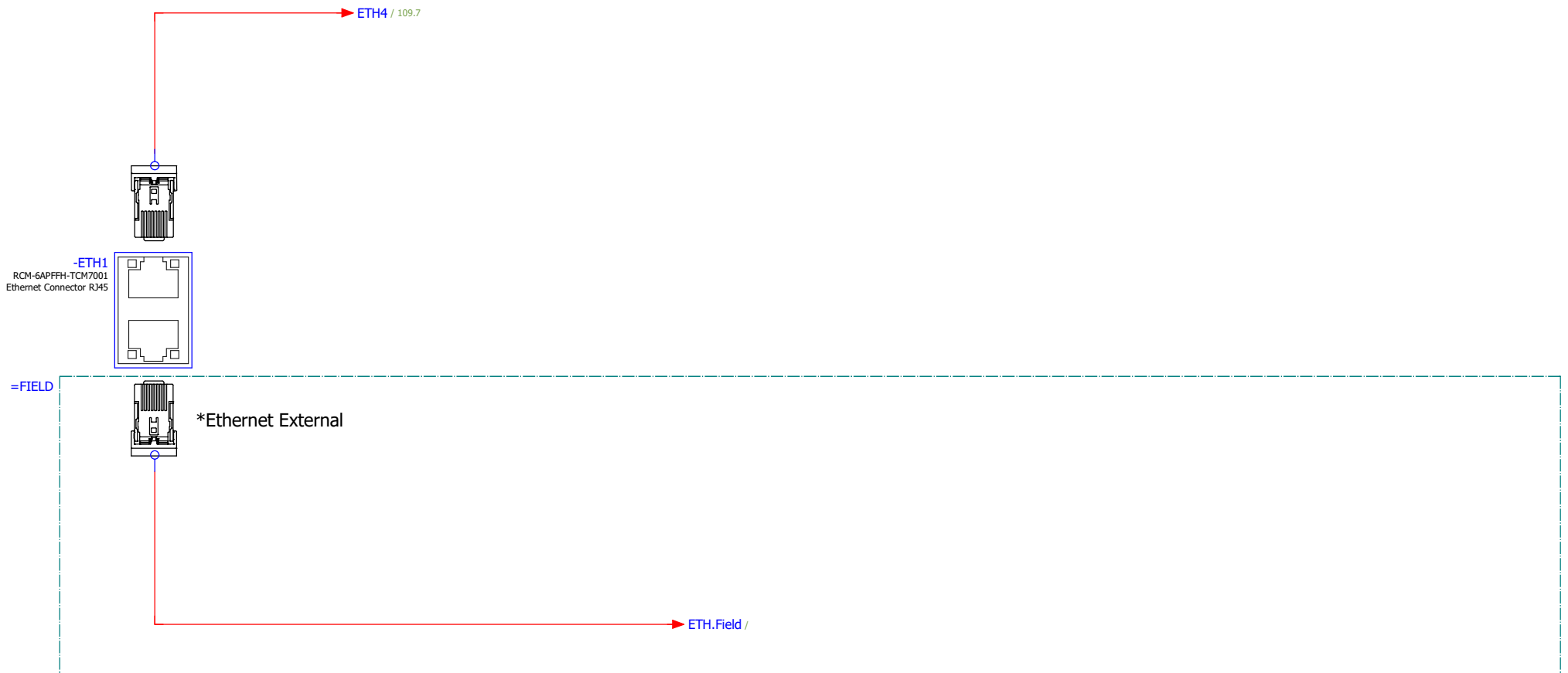
			Date	3/7/2024
			Ed.	MATHEUS HAGEMANN
			Appr.	
Modification	Date	Name	Original	

Number	
Stacking & Compressing	
Replacement of	Replaced by



Ethernet / RJ45 - Fieldbus Coupler
Lilium eAircraft GmbH

		= Main Enclosure	
		+ E01	
	EL012	Page	112
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			Date	3/4/2024
			Ed.	MATHEUS HAGEMANN
			Appr.	
Modification	Date	Name	Original	

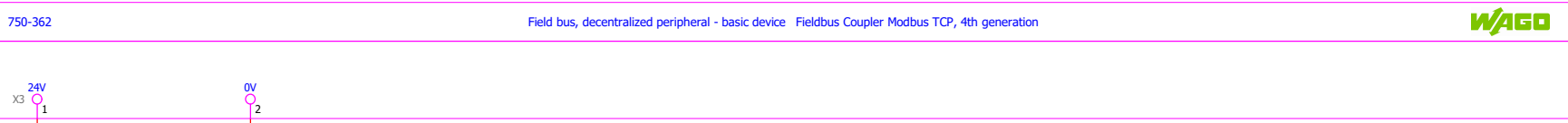
Number	
Stacking & Compressing	
Replacement of	Replaced by



Ethernet / RJ45 - Field
Lilium eAircraft GmbH

= Main Enclosure	
+ E01	
EL012	
Page	113
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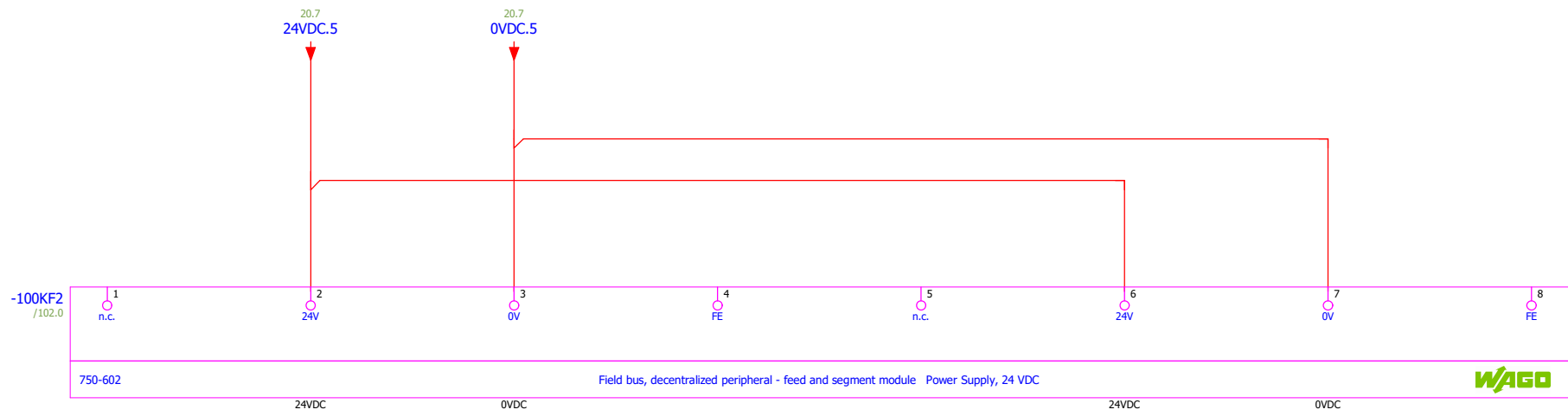
-100KF1
/101.0



-100KF2.24V

-100KF2.0V

			Date	3/4/2024	Number		Module Modbus TCP - Feeding		= Main Enclosure			
			Ed.	MATHEUS HAGEMANN			Stacking & Compressing		+ E01		Page	114
			Appr.				Replacement of		Replaced by		Page	22 / 31
Modification	Date	Name	Original						EL012			



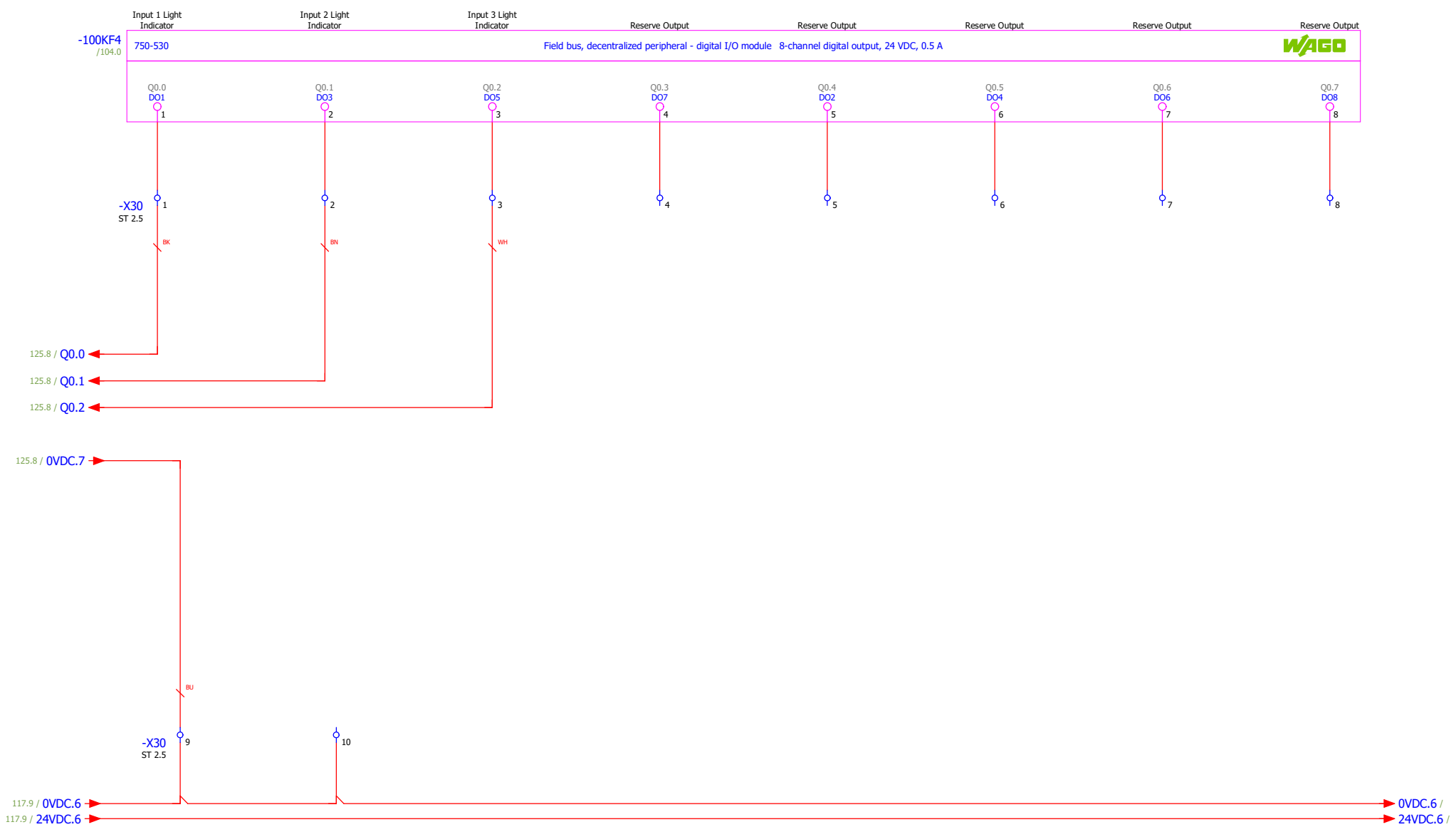
Modification	Date	Name	Original

Date	3/5/2024
Ed.	MATHEUS HAGEMANN
Appr.	
Number	Stacking & Compressing
Replacement of	Replaced by

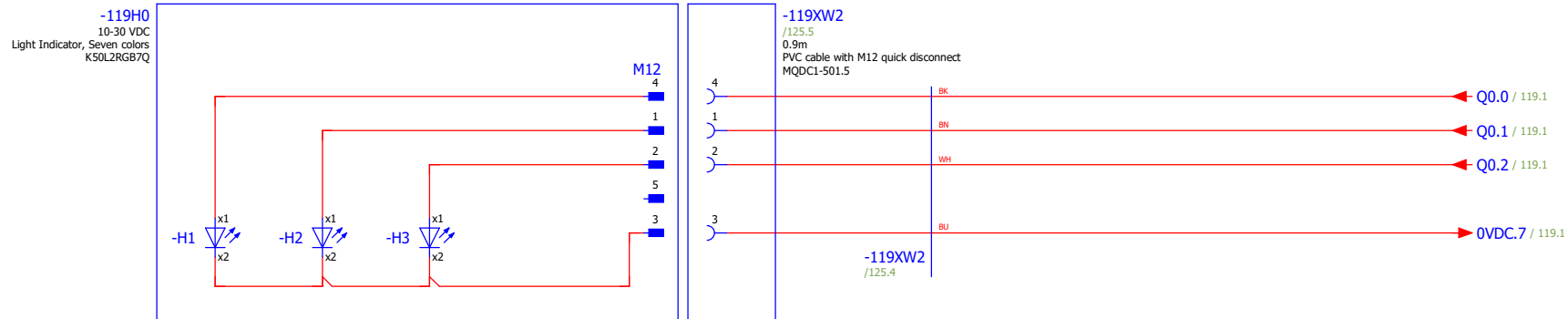


Power Module
Lilium eAircraft GmbH

= Main Enclosure	
+ E01	
EL012	Page 23 / 31



			Date	3/5/2024	Number			Output Module		= Main Enclosure	
			Ed.	MATHEUS HAGEMANN	Stacking & Compressing			Lilium eAircraft GmbH		+ E01	
			Appr.		Replacement of					Page 119	
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*Indicator Light
K50L2RGB7Q

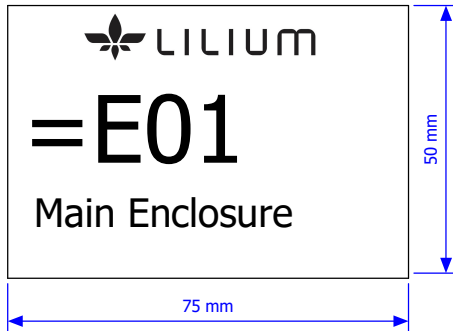
	Red	Yellow	Green	Cyan	Blue	Magenta	White
Input 1	X	X				X	X
Input 2		X	X	X			X
Input 3				X	X	X	X

LAY-OUT FOR MANUFACTURE OF THE LABELS

External Electrical Enclosure Door (Middle)



External Electrical Enclosure Door (Top, Left)



***Note: Adhesive Labels with white background and black letters (with topcoat acrylic layer).**

			Date	3/5/2024	Number	Lilium eAircraft GmbH	Layout Identifications/Tags		= Reports
			Ed.	MATHEUS HAGEMANN	Stacking & Compressing				+
Modification	Date	Name	Appr.		Replacement of	Replaced by		EL012	Page 910
			Original						Page 30 / 31

