Description

System	Page NO.	Title
MARC Ax BOX	1	Cover page
	2	Description
	3	Part List
	4	Power Wiring
	5	Handle Input
	6	Input device 1
7		Input device 2
	8	Output device
	9	Ax BOX Supply distribution
	10	Ax BOX Communication
	11	Ax BOX Teensy input
	12	Ax BOX Teensy Output
	13	Ax BOX Relay channel

Previous page No.	Client:	Title: AMR BOPT	Next page No.	3
	End Client:	Discription: Index	DWG No.	AX/1
	Remarks:	Detail:	Page No.	2 /13

Part List

Part Name	Description	Quantity	Device tag	
Ax BOX	MARC controller, 24v DC 8A. USB, Ethernet	1	MARC Ax	
Sick safety sensor	Safety Lidar Sick TIM320-1131000 vision 270 degree, 24V DC, Digital 3 i/p, Digital 3 o/p, M12 female connector,	3	SSF, SSL, SSR	
Ultrasonic Sensor	Boumer Ultrasonic sensor U500.DA0.2—UA1B.72F	2	UL1, UL2	
Toggle Switch	Toggle switch with illumination, 1 NO contact, 24V DC	1	Auto/Man	
Indicator	Red light indicator, 24V	1	Lt	
Stack Light	Boumer Stack light, Red, Yellow, Green, Buzzer, 24V, PNP type	1	TL	
Spot light	Primeforklift Spot Light Blue color, 24V	1	Spot It	
LiDAR	RP LiDAR A1, USB connection range 40M, 360 degree, Rotational parts protected	1	LIDAR	
Camera	IntelRealsence Depth camera, RGBD, USB connection	1	САМ	
Emergency Button	Red MAshroom type Emergency button, 2 NC contact, Side EMG button	2	EMG	
IOT dongle	Dongle for communication to internet via sim network	1	Doungle	
CAN to USB	CAN to USB converter, Drive communication	1	CANbus	
1232 E	Curtis 1232 e AC driver for ACIM motor, PUMP motor	1	D1	
1220 EPS	Curtis 1220 EPS steering controll drive for DC motor	1	D2	

Previous page No.	Client:	Title: AMR BOPT	Next page No.	4
	End Client:	Discription: Part list	DWG No.	AX/1
	Remarks:	Detail: 24v 240 amp power distribution	Page No.	3 /13



















