

SPECIFICATIONS

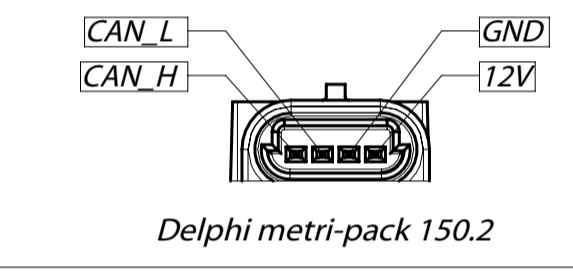
Nominal flow : 80 l/min
 Nominal pressure : 250 bar
 Max backpressure : 25 bar
 Fluid : Mineral based oil
 Viscosity range : 12 to 400 mm²/s
 Seals material : NBR
 Oil temperature range : 9 - 16 VDC
 Environmental temperature : -20 to 80 °C
 Max oil level contamination : -40 to 60 °C
 : 19/16 ISO4406

TECHNICAL DATA - EME CONTROL

Force : up to 160N
 Speed : up to 80 mm/s
 Residual Force : < 45 N
 Travel : ± 12 mm
 Resolution : 0.01 mm/incr.
 Integrated Electronics Driver : CAN 2.0 B (SAEJ1939)
 Supply voltage : 9 - 16 VDC
 Operational temperature : -25 +85 °C
 Max. axial play after life time : < 0.25 mm
 ISO 14982
 IEC 68-2
 Neutral: 210mA
 Idle: 560mA
 Motor running: 1700mA (average @ 80mm/s)
 Peak: 3000mA (peak @ 80mm/s)

NOTES

It is recommended to use wires with appropriate length and section, according to the current consumption of the actuators. Otherwise, the voltage drop may reduce the actuator force performance.
 Parameter such as force, speed or travel may be limited by WST software according to the application.



TECHNICAL DATA

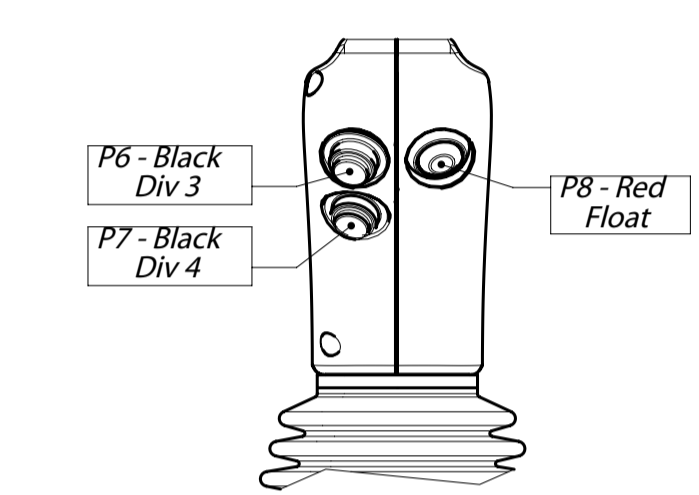
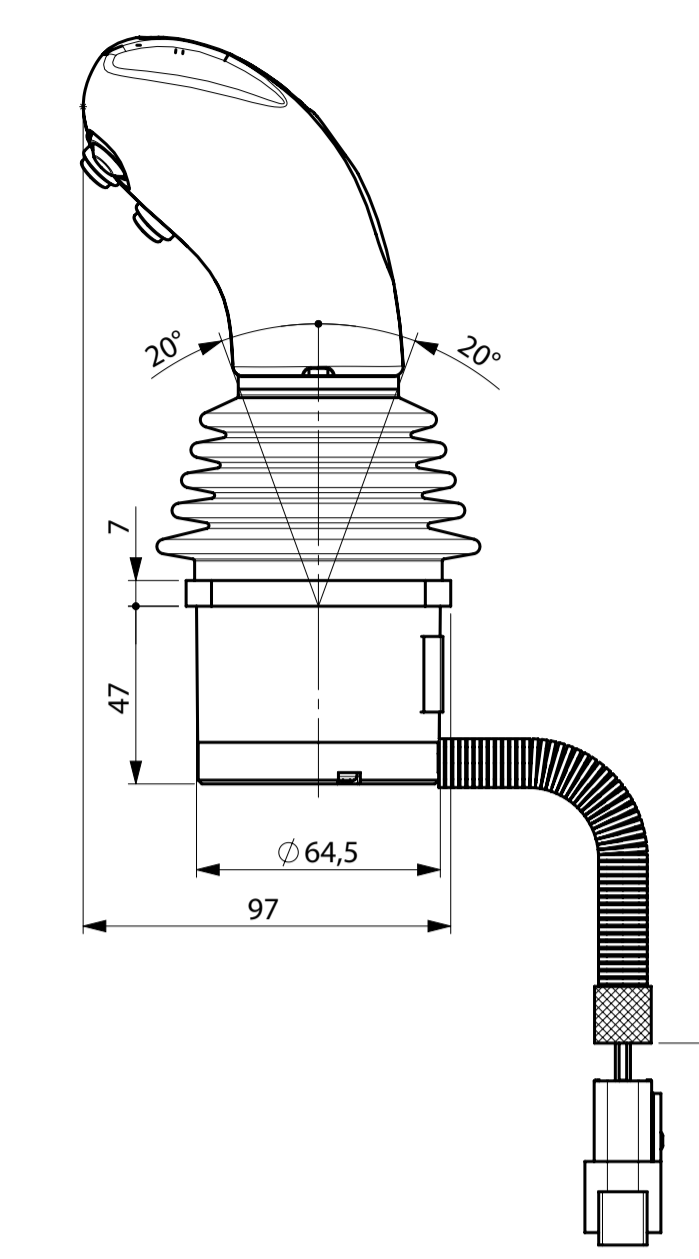
Electrical Data
 Supply voltage range : 8-16V
 Max supply current : 100 mA (no load)
 Axis X-Y, X-Y:
 Signal (full range) : 0.5 - 4.5V
 Signal (neutral position) : 2.5V
 Signal Tolerance : ± 200mV in neutral
 ± 150mV at the end of stroke

Environmental Data
 Working temperature range : -40/+85 °C
 Deflection angle : ±20° ±1°
 EMC according to ISO 14982 / 13766

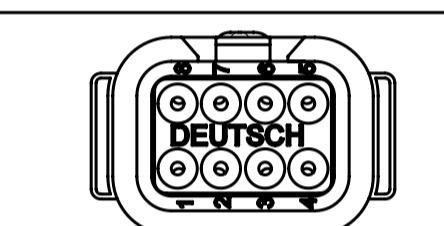
Push-buttons P0-P8
 Execution : spring return (P8)-detent (P0)
 Current rating : 50mA
 Mechanical life : 1.000.000 cycles
 Electrical life : 500.000 cycles

Push-buttons P6-P7
 Execution : spring return
 Current rating : 6A
 Mechanical life : 50.000 cycles
 Electrical life : 25.000 cycles

IMPORTANT
 The coil driven by P2 **MUST** have a free wheeling diode.

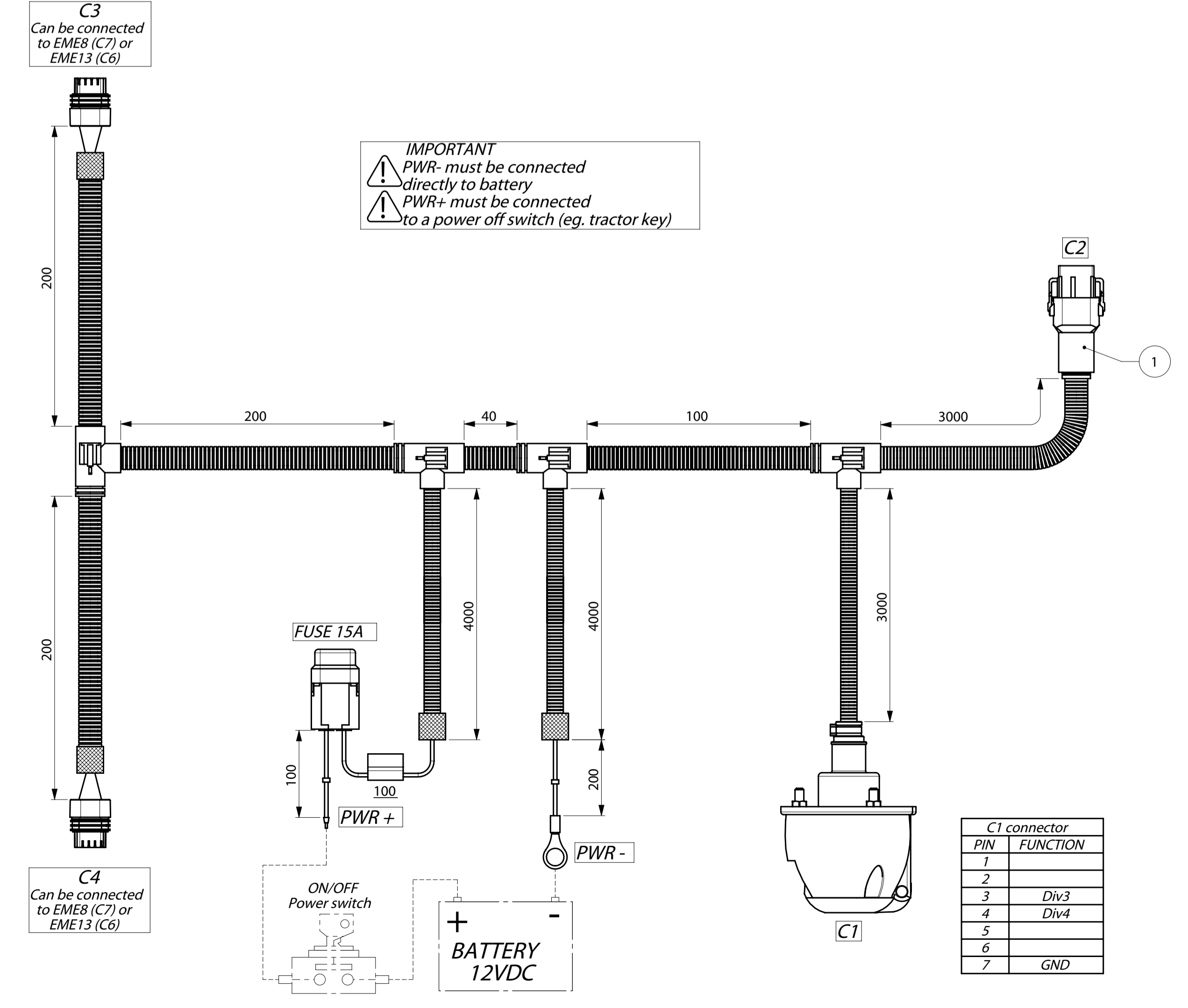
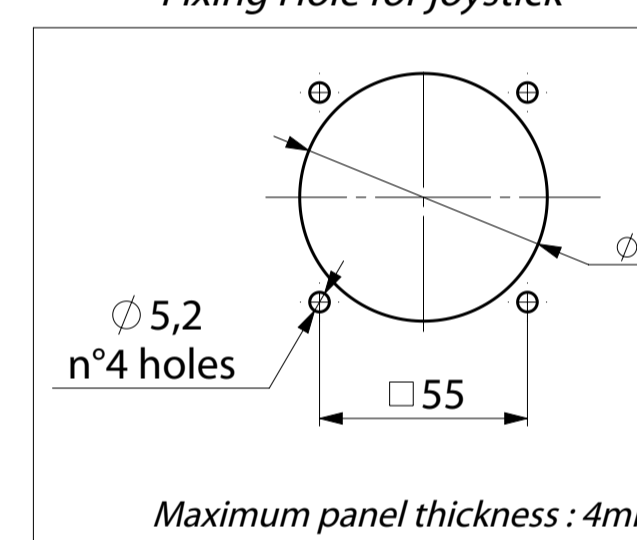


PIN OUT C5 CONNECTOR
 Deutsch DTM04-8P



Pin	Functions	Color	Value
1	Vk+	Red	Vbb
2	CAN_L	Green	
3	CAN_H	Yellow	
4	VJ-	Brown	GND
5	P6 (Div 3)	Blue	
6	P7 (Div 4)	White	
7	VJ+	White/Black	Vbb
8		Plug	

INSTALLATION NOTES



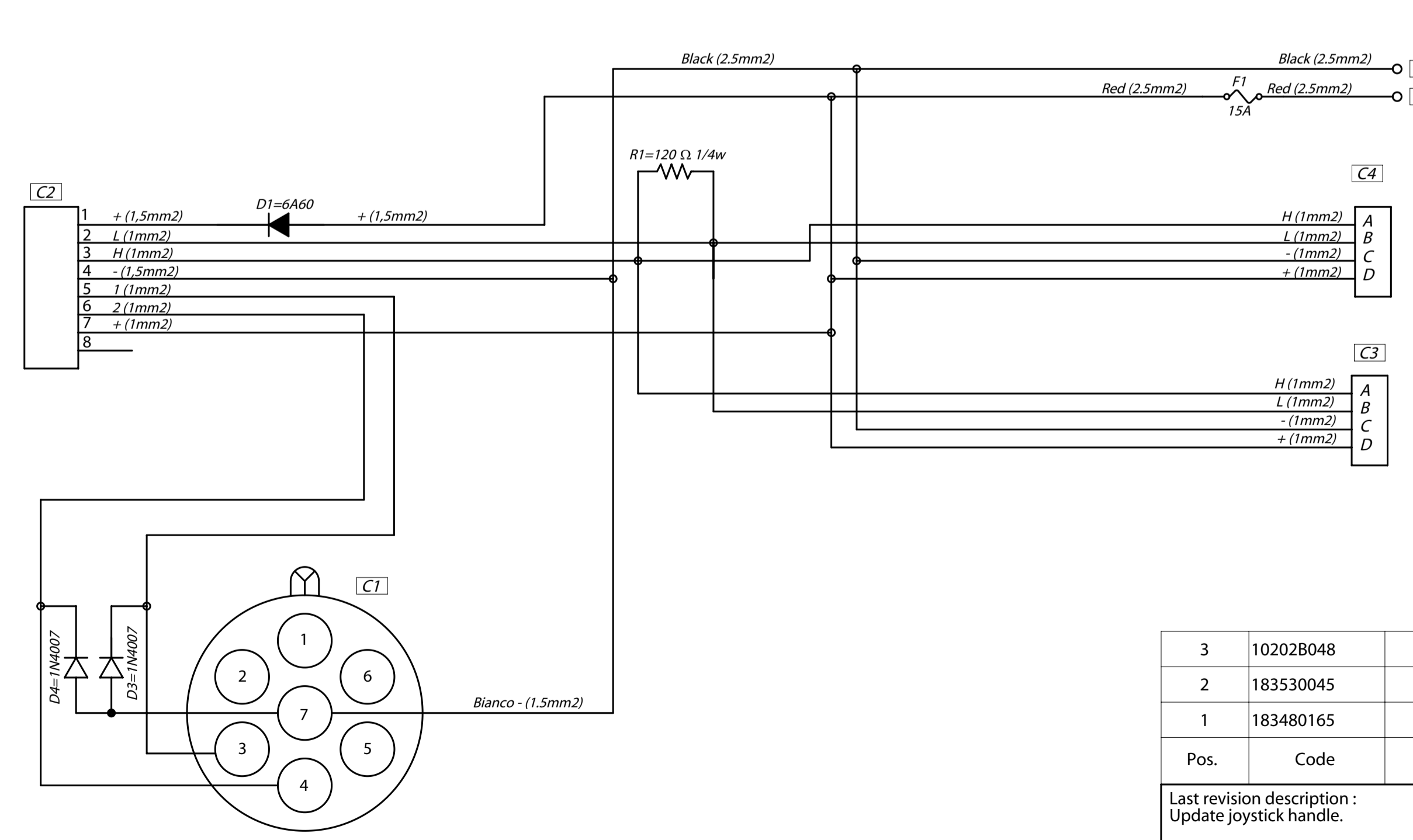
IMPORTANT
 PWR- must be connected directly to battery
 PWR+ must be connected to a power off switch (eg. tractor key)

C3
 Can be connected to EME8 (C7) or EME13 (C6)

C4
 Can be connected to EME8 (C7) or EME13 (C6)

C1 connector

PIN	FUNCTION
1	
2	
3	Div3
4	Div4
5	
6	
7	GND



FUNCTION DESCRIPTION
 -Float function is activated by P8 and Y+ (over 50% of the stroke)
 -Float is disabled by Y- (over 50% of the stroke).
 -At start-up red and green led flash 3 times.
 -P6 directly commands Div3.
 -P7 directly commands Div4.
 -When system is ready to work, red led is on.
 -When system is in error, both led flash the error code.
 -P0 turns OFF/ON only the joystick.
 -An external power off switch is required to turn OFF/ON the EME controls and joystick.

3	10202B048	SDM122/2-P	1
2	183530045	JOYSTICK CJW2034A-AMH0402AQ/D2F08035	1
1	183480165	KIT CAVO KCD05 PHC210C	1
Pos.	Code	Description	Quan.
Last revision description : Update joystick handle.			
		Scale 1:2	A1-SW
Substitute Same code Technical Reference: Beneventi		Description : SDM122/2-P(UD-210)/1SOHF[S]13EME.U3T/1SOHF[S]8EME.U3(230)/AE-BSP34(PT)12(ABC)-CVN2E->CJW2034A-AMH0402AQ-0R3(A)-6N5(K)-7N5(S)-8R8(A)-ALV-CLR/D2F08035(TC)+KCD05/D2M08-01CCF07500(TC)-02M2M04345(TC)-03M2M04345(TC)-AU2F15735(TC)-AU1730(TC)	
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