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9/4/85

DESCRIPTION OF THE TERMINALS ON SRB 111 (080B6023)

1	Line	A/C Input
2	Neutral	
⏚	GND	

1. Solid state relay. Closed in stop position.
2. Voltage: 24-240 Vac. I max. < 2.5 A.
3. N.C. Micro switch for conditional start on.
4. GND. Terminal 8 or start from micro
5. N.O. switch. See description for MK3.
6. GND.
7. Start input ⌐‾ Starting on positive going edge. Input resistance: 5.6 K. ohms (pull up).
8. Conditional start input. ⌐‾ Starting on positve going edge. Input resistance: 5.6 K. ohms (pull up). Terminal only active when jumper is placed between 2-3 on MK3.
9. GND.
10. Impulse input for overload protection. Input resistance: 10 K. ohms (pull up). See description for MK1 and MK4.
11. Inverted output of the signal on term. 12 (C-MOS output).
12. Stop input ⌐‾ Stop on positive going edge. Input resistance: 5.6 K. ohms (pull up). Can be made inactive in 40 ms. by means of a jumper on MK5.
13. Stop input ⌐‾ Stop on a positive going edge. Input resistance: 5.6 K. ohms (pull up).

Terminals 12 and 13 have an/or function

14. +5V. dc. Power supply for external devices. I max: 100 mA.
15. 1 channel pulse generator input.
Input resistance: 10 K. ohms (pull up).
Is only used in connection with counter card 080B6122, SRB 201.
16. GND.
17. Inverted output of terminal 15. (C-MOS output).

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Amplifier I	18.		Output from amplifier for SRC 1300 or SRC 1500. Open collector output.
	19.	+5V. dc.	Used for supply to SRC 1300/1500.
	20.		Input from SRC 1300/1500.
	21.		Current generator for the SRC 1300/1500.
	22.	GND.	
Amplifier II	23.		Output from amplifier for SRC 1300/1500. Open collector output.
	24.	+5V. dc.	Used for supply to SRC 1300/1500.
	25.		Input from SRC 1300/1500.
	26.		Current generator for the SRC 1300/1500.
	27.	GND.	
	28.		Highest priority stop. Terminals 7, 8, 12 and 13 are inactive after using this terminal. Input resistance: 1 K. ohms (pull up). This terminal is in parallel with terminal 34.
	29.	GND.	
	30.		Output for clutch solenoid valve. Connection to term. 1 on SRA xx.
	31.		Common for the solenoid valves on the SRA. (+32V. dc. to GND.) term 2 on SRA.
	32.	+22V. dc.	Power supply for external devices. I max: 200 mA.
	33.		Output for brake solenoid valve. Connection to term 4 on SRA xx.
	34.		Highest priority stop. See description for terminal 28.
	35.		First start or "ready for start" from external device. Input resistance:
	36.		Freemode of SRA. Function when terminal 36 is connected to GND. Input resistance: 1 K. ohm (pull up).
	37.	GND.	
	38.		Lamp output. Lamp: 30V., 2 watt.
	39.		Lamp output. (+30V. dc.).

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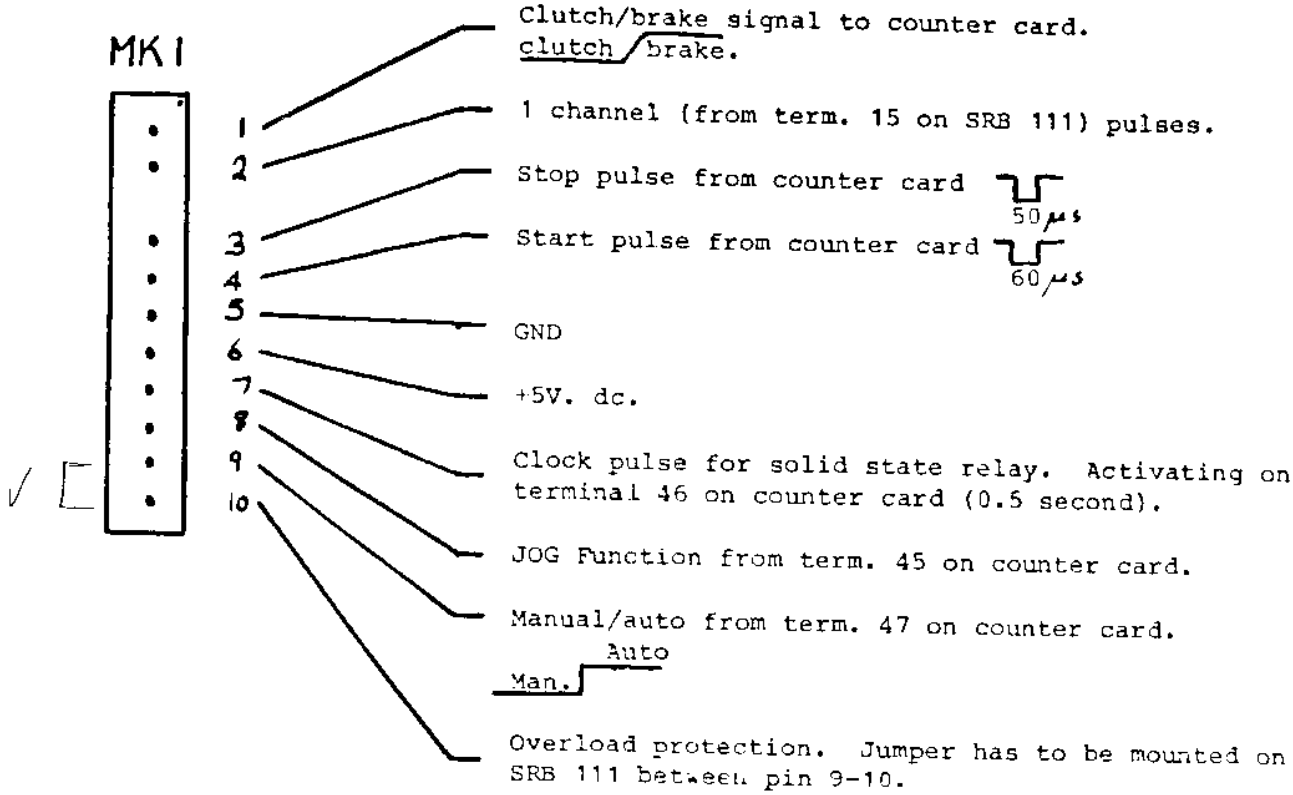
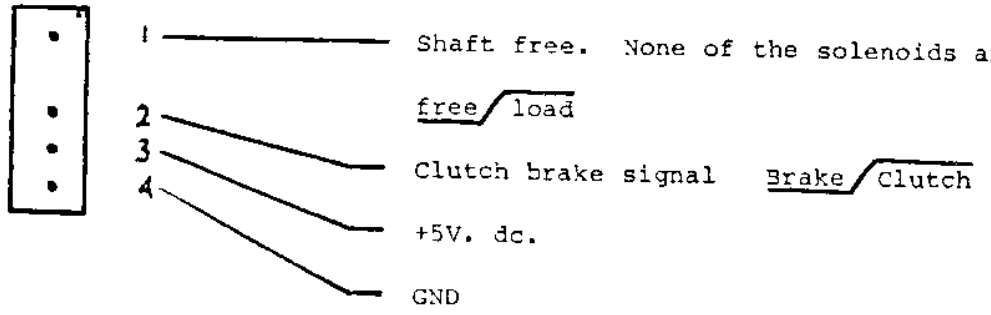
MK1 is used for interconnection of SRB 111 and counter card SRB 201.



MK2 is only used for special applications.



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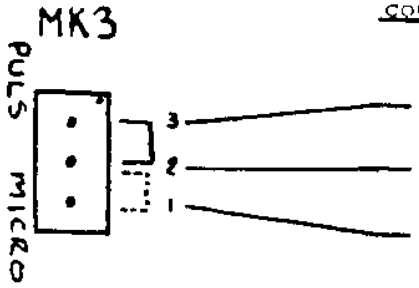
MK3 is used for start on a micro switch or for conditional start. See term. 8.

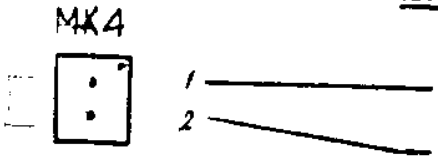


To the conditional start flip/flop.

From micro switch flip/flop.

to normal start flip/flop (Start on micro switch).

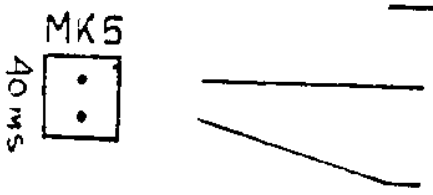
MK4 is used for overload protection.



From overload flip/flop.

To stop-gate and flash lamp.

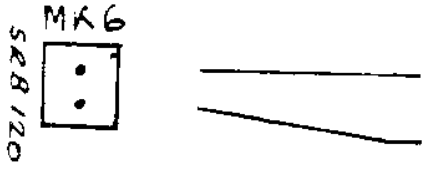
MK5 is used to inhibit start from term. 12 in 40 ms.



To stop-gate inhibit the gate in 40 ms. when jumper is mounted.

From 40 ms. timiex.

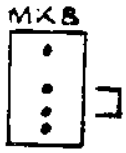
MK6 is only used when SRB 201 (counter card) is connected on MK1.



From counter card. Man/auto.

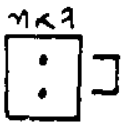
Freemode (High = Freemode).

MK7 only for future applications.



MK8 only for future applications.

Jumper must always be mounted.



When jumper is mounted SRA is ready for start after activating Man. start. Start on the first start pulse from terminal 7 or 8.