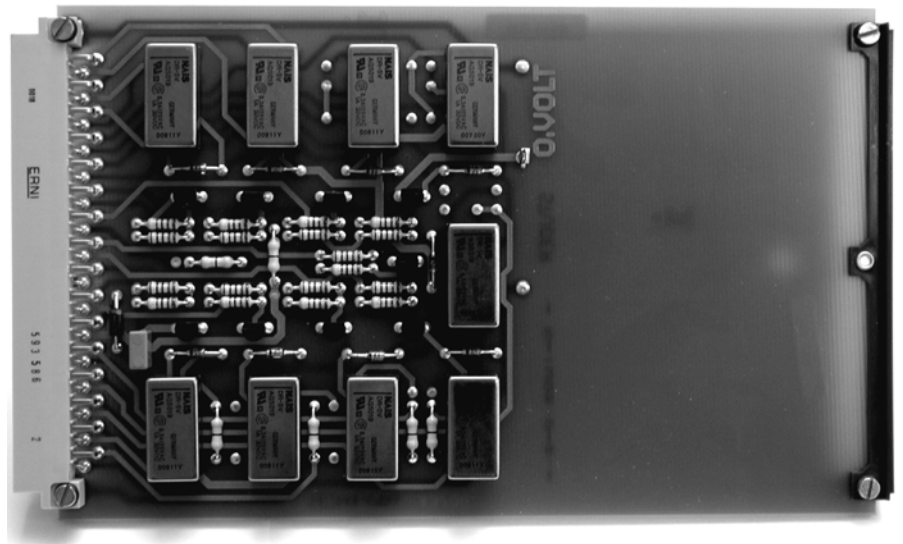


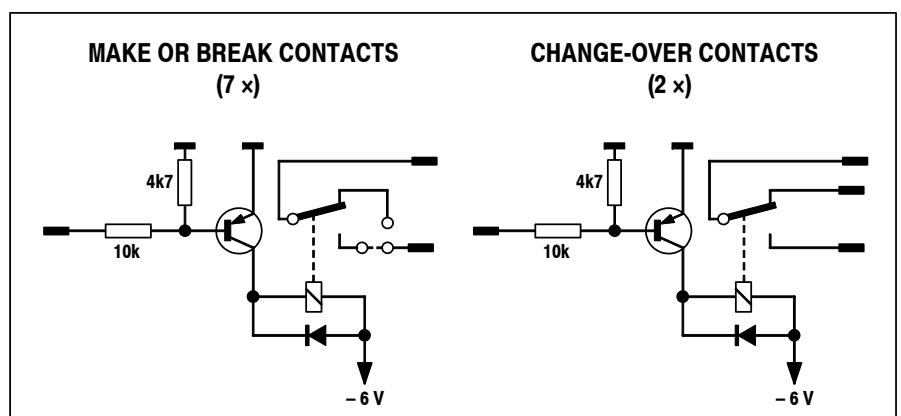
## Transistor-Driven Relays (7+2)

1.915.603

This Euro-card is supplied with nine transistor-driven relays with single-pole, double-throw (SPDT) contacts. For two of the relays, both normally-open and normally-closed contacts are routed to the edge connector; for the remaining seven it is jumper-selectable whether the normally-open or the normally-closed contact is used.



The relays are designed for operation on 6 V<sub>DC</sub>, and each relay coil is bridged with a click-suppressing diode. PNP transistors in series with the coils are blocking the current flow, because each transistor is normally bi-ased off. By applying the output from the gate of an external control logic to the base of a transistor, it is switched into saturation, thereby energizing the respective relay. This arrangement of nine relays was designed for use in signaling systems within a studio installation; however, it may find its use for other applications as well.

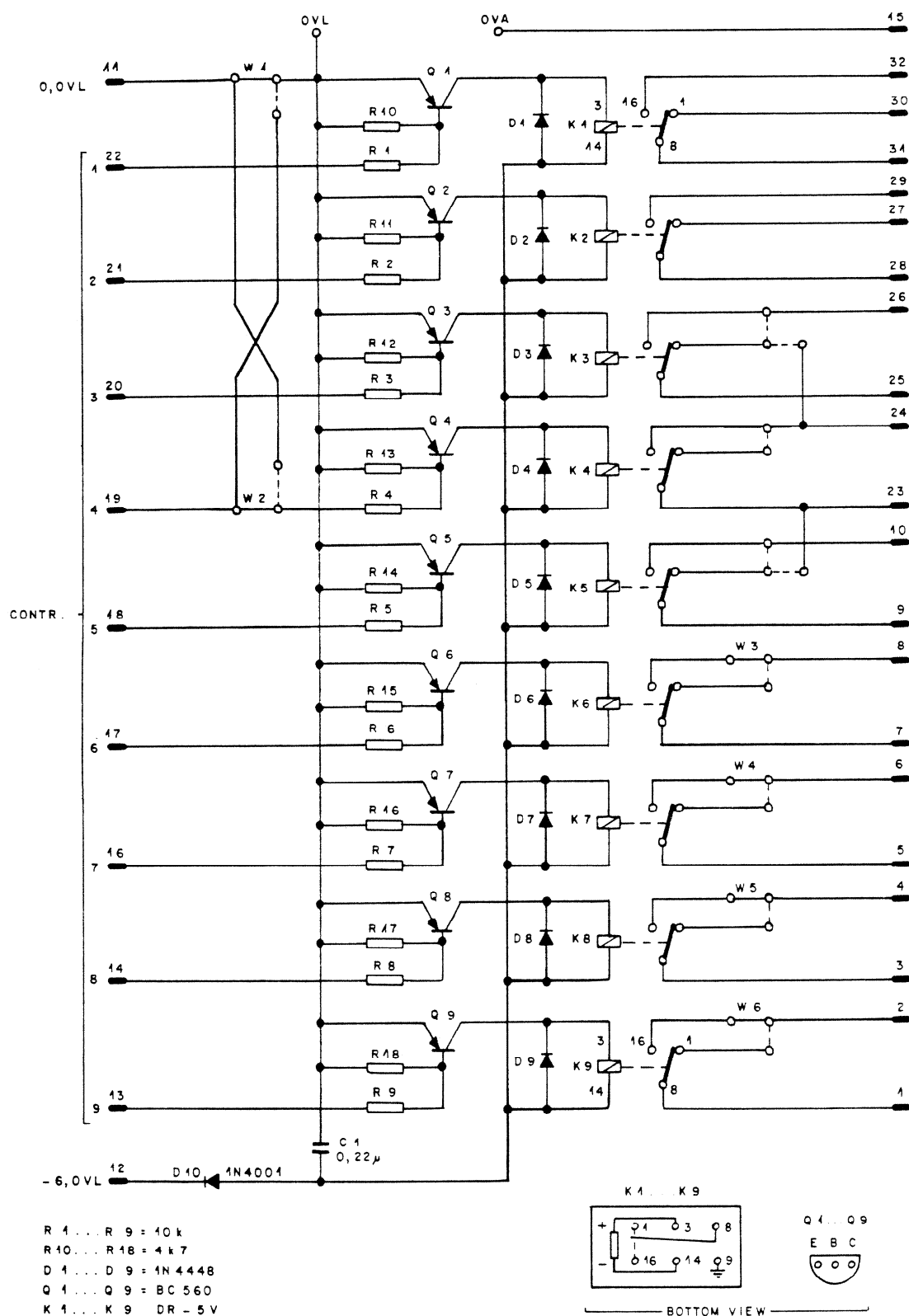


Polarity of the relay's supply voltage must be observed when utilizing this circuit.

Technical Specifications

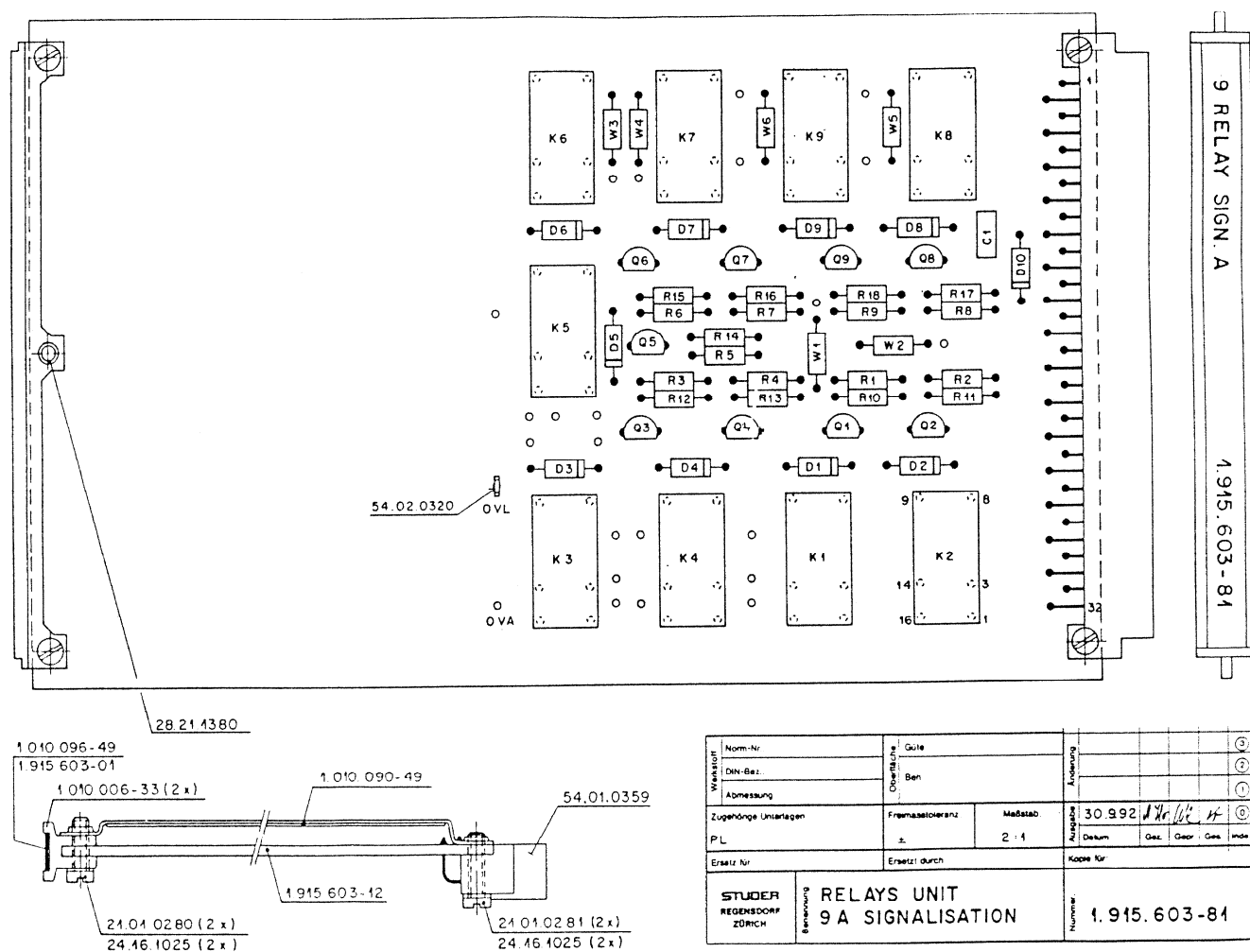
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<b>Contact Ratings:</b>		<b>max. 1 A/30 V<sub>DC</sub> or 0.3 A/125 V<sub>AC</sub></b>
	<b>Note:</b>	<i>In this application 48 V must not be exceeded to avoid shock hazard.</i>
	Switching power	<b>60 VA (AC)</b> <b>100 W (DC)</b>
<b>Dimensions:</b>	Euro-card	<b>100 × 160 mm, 4 M units wide</b>
<b>Ordering Information:</b>	Transistor-driven relays	1.915.603.xx



② 24 11 92 <i>we</i>				
STUDER REGENSDORF ZÜRICH	9 RELAYS SIGN. A			SC 1.915.603-81

## RELAYS



Ad ..POS... ..REF.No... DESCRIPTION.....MANUFACTURER

C....1	59.06.0224	KONDENSATOR	0,22μ
D....1	50.04.0125	DIODE	1N 4448
D....2	50.04.0125	DIODE	1N 4448
D....3	50.04.0125	DIODE	1N 4448
D....4	50.04.0125	DIODE	1N 4448
D....5	50.04.0125	DIODE	1N 4448
D....6	50.04.0125	DIODE	1N 4448
D....7	50.04.0125	DIODE	1N 4448
D....8	50.04.0125	DIODE	1N 4448
D....9	50.04.0125	DIODE	1N 4448
D....10	50.04.0122	DIODE	1N 4001
K....1	56.04.0190	RELAYS	DR-5V
K....2	56.04.0190	RELAYS	DR-5V
K....3	56.04.0190	RELAYS	DR-5V
K....4	56.04.0190	RELAYS	DR-5V
K....5	56.04.0190	RELAYS	DR-5V
K....6	56.04.0190	RELAYS	DR-5V
K....7	56.04.0190	RELAYS	DR-5V
K....8	56.04.0190	RELAYS	DR-5V
K....9	56.04.0190	RELAYS	DR-5V
Q....1	50.03.0601	TRANSISTOR	BC 560
Q....2	50.03.0601	TRANSISTOR	BC 560
Q....3	50.03.0601	TRANSISTOR	BC 560
Q....4	50.03.0601	TRANSISTOR	BC 560
Q....5	50.03.0601	TRANSISTOR	BC 560
Q....6	50.03.0601	TRANSISTOR	BC 560
Q....7	50.03.0601	TRANSISTOR	BC 560
Q....8	50.03.0601	TRANSISTOR	BC 560
Q....9	50.03.0601	TRANSISTOR	BC 560

Ad ..POS... ..REF.No... DESCRIPTION.....MANUFACTURER

R....1	57.11.3103	WIDERSTAND	10K
R....2	57.11.3103	WIDERSTAND	10K
R....3	57.11.3103	WIDERSTAND	10K
R....4	57.11.3103	WIDERSTAND	10K
R....5	57.11.3103	WIDERSTAND	10K
R....6	57.11.3103	WIDERSTAND	10K
R....7	57.11.3103	WIDERSTAND	10K
R....8	57.11.3103	WIDERSTAND	10K
R....9	57.11.3103	WIDERSTAND	10K
R....10	57.11.3472	WIDERSTAND	4,7K
R....11	57.11.3472	WIDERSTAND	4,7K
R....12	57.11.3472	WIDERSTAND	4,7K
R....13	57.11.3472	WIDERSTAND	4,7K
R....14	57.11.3472	WIDERSTAND	4,7K
R....15	57.11.3472	WIDERSTAND	4,7K
R....16	57.11.3472	WIDERSTAND	4,7K
R....17	57.11.3472	WIDERSTAND	4,7K
R....18	57.11.3472	WIDERSTAND	4,7K
W....1	57.11.3000	0 OHM WIDERSTAND	
W....2	57.11.3000	0 OHM WIDERSTAND	
W....3	57.11.3000	0 OHM WIDERSTAND	
W....4	57.11.3000	0 OHM WIDERSTAND	
W....5	57.11.3000	0 OHM WIDERSTAND	
W....6	57.11.3000	0 OHM WIDERSTAND	

1.915.603.81 RELAY UNIT 9A

21/10/92

END  
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