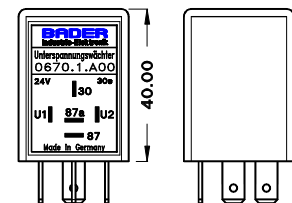
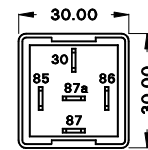
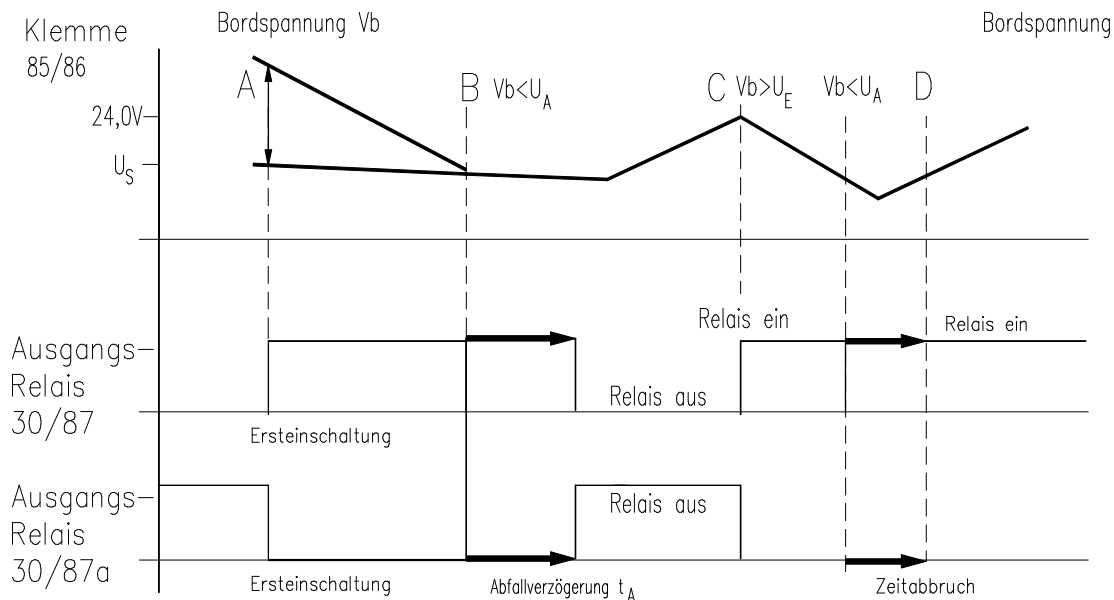


Automobile relay, voltage controlled

Nominal voltage:	12V or 24V DC
Voltage range:	7 to 12V DC or 18 to 34 V
output:	Potential free normal open contact
Turn on current:	10 A
Turn off current:	8 A
Steady current/25° C:	10 A
Operating temperature:	-25 to +70°C
Storage temperature:	-25 to +90°C
dimensions:	30 x 30 x 50mm
connector:	6,3 x 0,8 mm FASTON 5-pole



Function example:



- A Wird an den Unterspannungswächter eine Spannung über U_s angelegt (Ersteinschaltung), zieht das Relais sofort an: 30/87 zu; 30/87a offen.
- B Fällt die Bordspannung unter U_A , startet die Zeitstufe. Nach Ablauf von t_A fällt das Relais ab: 30/87 offen, 30/87a zu.
- C Steigt die Bordspannung über U_E zieht das Relais wieder an.
- D Fällt die Bordspannung unter U_A und steigt innerhalb von t_E wieder über U_A , wird die Zeitfunktion wieder zurückgesetzt. (Wichtig, z.B. bei Motorstart)

The relay is used to monitor the operation voltage when additional loads are switched, e.g. air conditioning, blowers, converters.

By connecting the operation voltage to terminal U1/U2 the relay locks as soon as the voltage is above of the start threshold U_s . When the voltage drops below the switch-off threshold U_A , the internal time function starts and the relays return to initial state after a delay time t_A .

When the operation voltage increases to the switch-on threshold U_E , the relay locks again after ending of the delay time t_E .

Automobile relay, voltage controlled

Variationes:

Order-no.	Function	U_s Start-threshold	U_A OFF-threshold	U_E ON-threshold	t_A delay time OFF-threshold	t_e delay time ON-threshold
0670.1.A00	Undervoltage turn off 24 V with reclosing	> 22,7 V	< 21,5 V	> 26,0 V	30 sec.	1 sec.
0670.2.A00	Undervoltage turn off 24 V with reclosing	> 24,0 V	< 18,0 V	> 24,0 V	5 sec.	1 sec.
0670.3.A00	Undervoltage turn off <i>24 V with reclosing</i>	> 23,0 V	< 21,5 V	> 23,0 V	1 sec.	1 sec.
0670.4.A00	Charge control 24 V <i>invers</i> with reclosing	< 27,0 V	> 27,0 V	<26,5 V	2 sec.	2 sec.
0670.5.A00	Voltage control <i>24 V with reclosing</i>	> 24,5 V	< 22,0 V	> 24,5 V	10 sec.	10 sec.
0670.6.A00	Voltage control <i>24 V with reclosing</i>	> 24,5 V	< 22,0 V	> 26,0 V	10 sec.	10 sec.
0670.7.A00	Undervoltage turn off <i>24 V with reclosing</i>	> 24,0 V	< 22,0 V	> 24,0 V	30 sec.	1 sec.
0670.8.A00	Voltage control <i>24V without reclosing</i>	> 23,0 V	< 21,5 V		3 sec.	
0677.1.A00	Voltage control <i>12 V with reclosing</i>	> 11,7 V	< 10,5 V	> 13,0 V	30 sec.	1 sec.
0677.2.A00	Voltage control <i>12 V without reclosing</i>	> 11,7 V	< 10,5 V	> 13,0 V	30 sec.	1 sec.
0677.3.A00	Voltage control <i>12 V without reclosing</i>	> 11,7 V	< 10,5 V	> 13,0 V	3 sec.	1 sec.