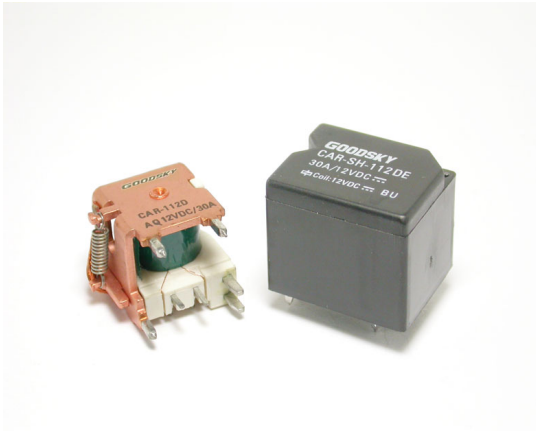


<b>Order code</b>	<b>Manufacturer code</b>	<b>Description</b>
60-0370	n/a	24V 30A AUTOMOTIVE RELAY RC
60-0369	n/a	12V 30A AUTOMOTIVE RELAY RC

	Page 1 of 3
The enclosed information is believed to be correct, Information may change without notice due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 20/02/2007



## Main Feature

1. European and American footprints available offers different market selections.
2. Customer can choose different construction version according to various manufacturing process from Open Type (without dust cover), Flux Solder type which can protect the Relays from dust, and Epoxy Resin Sealed type for PCB washing procedure.
3. Special contact FE130 material is applied which create a maximum 30 Amp rated current.

## Application :

Car Control Switching Box (Car Alarm, Center door lock system, blinkers, .... etc.)

## Characteristics :

- Contact Resistance .....100mΩ Max.@1A,6VDC
- Contact Rating (resistive load)
  - 30A (Contains 15A).
- Operate Time .....10 mSec. Max.
- Release Time .....10 mSec. Max.
- Insulation Resistance.....100 MegaΩ Min. at 500VDC.
- Dielectric Strength :
  - Between Coil & Contact .....750VAC at 50 Hz for one minute.
  - Between Contacts .....1,200VAC at 50 Hz for one minute.
- Humidity Range .....95% at 20°C.
- Temperature Range ..... -40~85°C
- Life Expectancy :
  - Mechanical..... 10<sup>7</sup> Operations at No Load condition.
  - Electrical..... 10<sup>5</sup> Operations at Rated Resistive Load.
- Contact Material..... Ag Alloy..
- Weight..... About 18 g.

## Safety Standard & Its File Number :

- NIL.

## Further coils for motor vehicle applications on request.

The operating voltage limits Umin and Umax depend on temperature in accordance with the following formula:

$$U_{min\ tu} = K_I \times U_{min\ 20^\circ C} \quad \text{and} \quad U_{max\ tu} = K_U \times U_{max\ 20^\circ C}$$

$t_u$  = ambient temperature  
 $U_{min\ tu}$  = minimum voltage at ambient temperature  $t_u$   
 $U_{max\ tu}$  = maximum voltage at ambient temperature  $t_u$

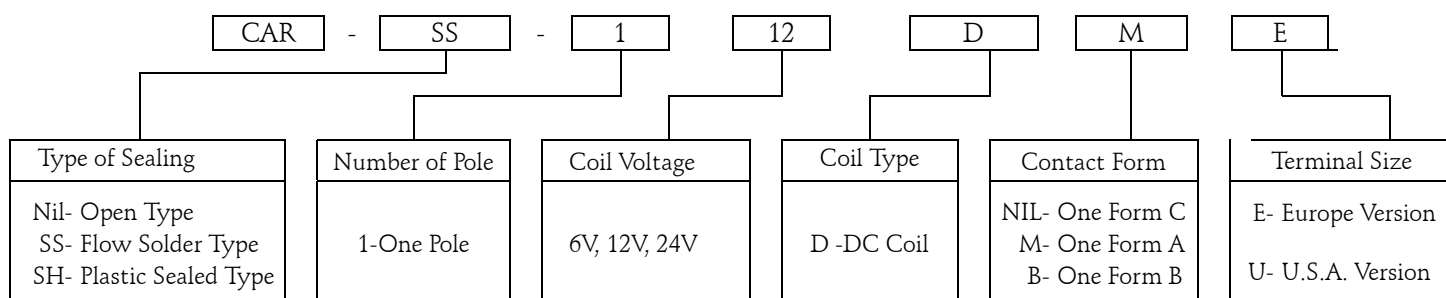
$K_I$  and  $K_U$  = factors

$t_u$	-40°C	-30°C	-20°C	-10°C	0°C	10°C	20°C	30°C	40°C	50°C	60°C	70°C	80°C	85°C
$K_I$	0.764	0.804	0.843	0.882	0.921	0.961	1.000	1.039	1.079	1.118	1.157	1.197	1.236	1.255
$K_U$	1.081	1.069	1.056	1.043	1.029	1.014	1.000	0.985	0.969	0.953	0.935	0.917	0.897	0.887

## Coil Specification (at 20 °C):

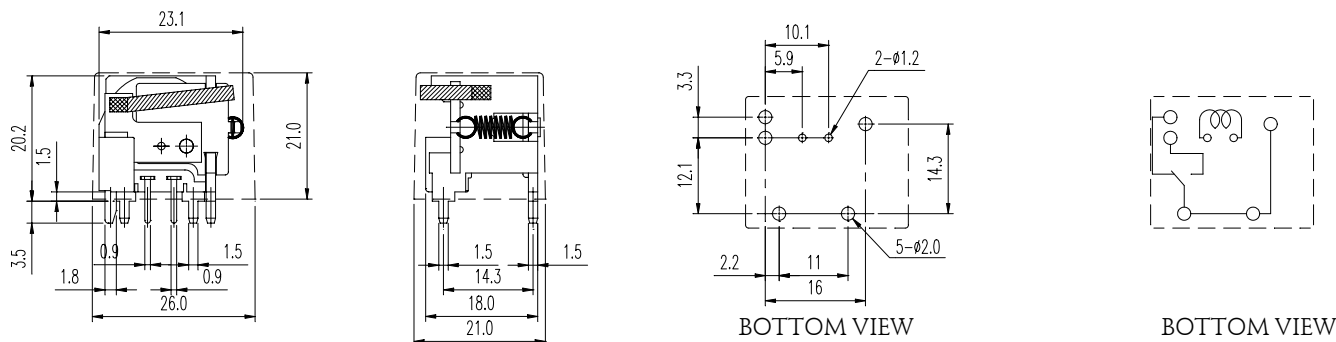
Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ( $\Omega \pm 10\%$ )	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
CAR (Europe)	6	315.7	19	Abt. 1.89	70% Maximum	5% Minimum	160%
	12	133.3	90	Abt. 1.59			
	24	66.2	362	Abt. 1.59			
CAR (U.S.A.)	6	315.7	19	Abt. 1.89	70% Maximum	5% Minimum	160%
	12	133.3	90	Abt. 1.59			
	24	66.2	362	Abt. 1.59			

## Ordering Information:



## Dimension:

### EUROPE



### U.S.A.

