

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 Resistance100mΩ Max.@1A,6VDC
- Contact Rating (resistive load)
 - 30A (Contains 15A).
- Operate Time10 mSec. Max.
- Release Time10 mSec. Max.
- Insulation Resistance.....100 MegaΩ Min. at 500VDC.
- Dielectric Strength :
 - Between Coil & Contact750VAC at 50 Hz for one minute.
 - Between Contacts1,200VAC at 50 Hz for one minute.
- Humidity Range95% at 20°C.
- Temperature Range -40~85°C
- Life Expectancy :
 - Mechanical..... 10⁷ Operations at No Load condition.
 - Electrical..... 10⁵ 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 U_{min} and U_{max} 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

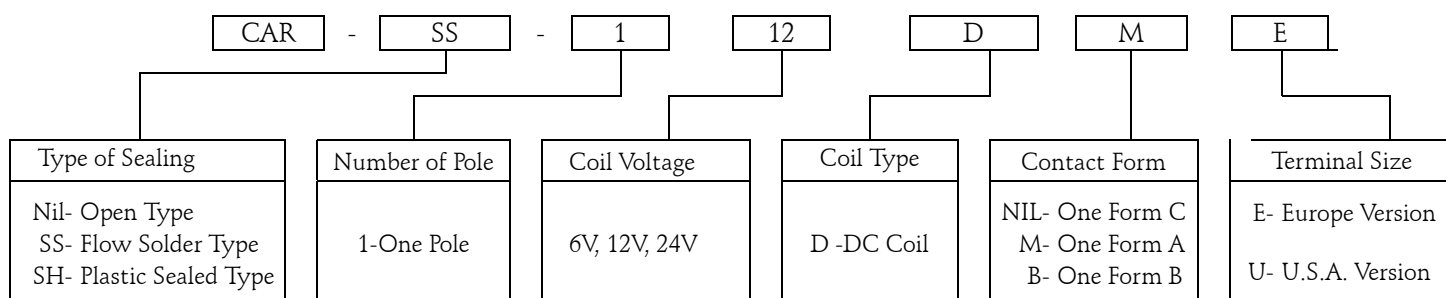
K_I and K_U = factors

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):

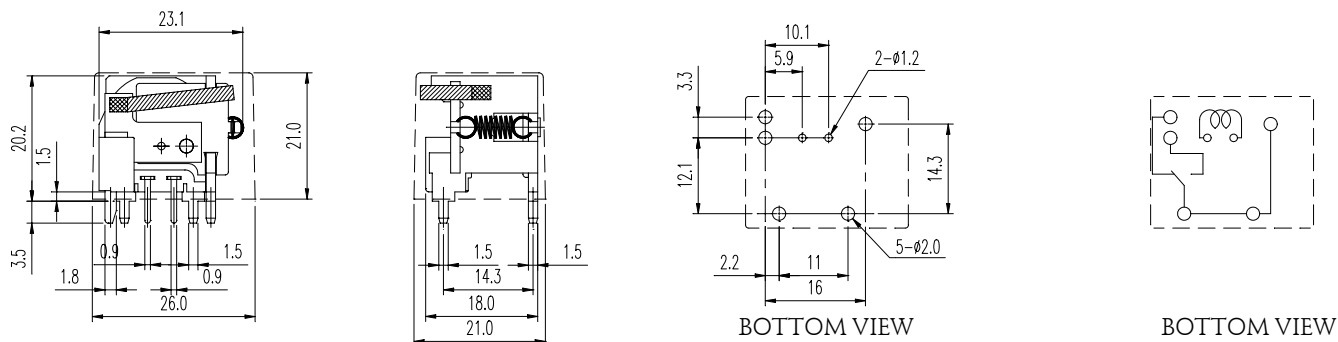
Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
CAR (Europe)	6	315.7	19	Abt. 1.89	70% Maximum	5% Minimum	160%
	12	133.3	90	Abt. 1.59			
	24	66.2	362	Abt.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



Dimension:

EUROPE



U.S.A.

