FLF Automotive Relay

20.3×15.3×22.5

- Max. switching current 25A.
- Different terminals available.
- Suitable for automation system and automobile auxiliary etc.
- Conform to RoHS,ELV directive

CONTACT DATA

Contact Form	1H
Contact Material	Silver Alloy
Load	Resistive load（COSΦ=1）
Contact Ratings	1H: 25A 14VDC
Max Switching Voltage	24VDC
Max Switching Current	25A
Max Switching Power	350W
Contact Resistance	50mΩMax at 24VDC 1A
Electrical	100, 000 Operations(at30Operations/minute)
Mechanical	10, 000, 000 Operations(at300Operations/minute)

CHARACTERISTICS DATA

Insulation Resistance	100MΩMin at 500VDC
Between Open Contacts	550VAC(for one minute)
Between Contacts and Coil	1000VAC(for one minute)
Operate Time	10ms
Release Time	7ms
Temperature Range	-40℃to+85℃
Shock Resistance	100m/s^2 , 11ms
Vibration Resistance	10-44Hz, 1.27mm
Max. switching frequency	Mechanical:18,000operations/hr Electrical:1,800operations/hr
Humidity	85%（at 40℃）
Weight	Approx 14g

COIL DATA at 20℃

Coil Power 1.16W

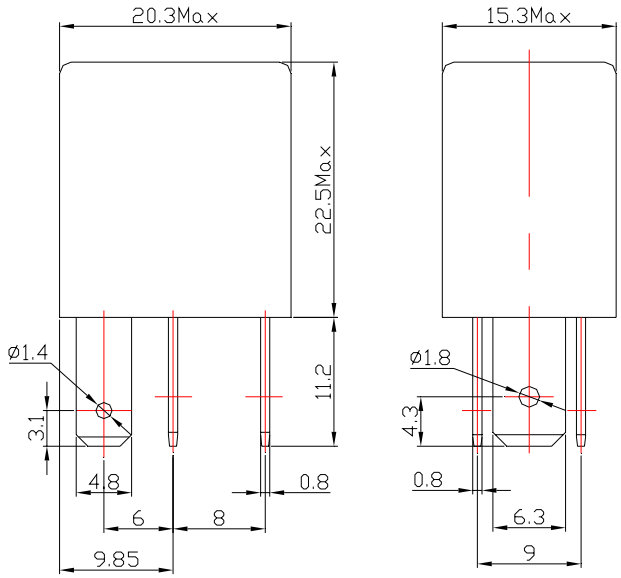
Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance (Ω±10%)
12	96.7	8.5	1.5	124
24	49	15.176	3.0	489

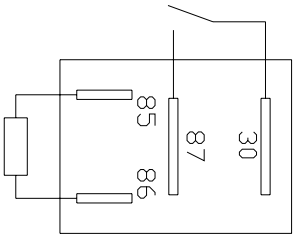
OPDERING CODE

FLF L — F — H P R / 12VDC
1 2 3 4 5 6 7

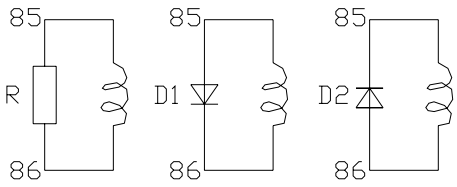
1. Relay Model
2. Coil Power
   L=1.16W
3. Encapsulation mode
   F：Flux tight
   S:Sealed
4. Contact Form
   H: Form 1A
5. Terminals type
   Nil: plug in type
   P：PCB type
6. Nil: Standard
   R: Coil parallel with 1/4W resistor 680Ω
   for Coil voltage 12VDC
   Coil parallel with 1/4W resistor 2700Ω for
   Coil voltage 24VDC
   D1: Coil parallel with diode IN4007 the positive
   pole “+”on #85 teminal
   D2: Coil parallel with diode IN4007 the positive
   pole “+”on #86 teminal
7. Coil Nominal Voltage
   12,24VDC

OUTLINE DIMENSIONS, WIRING DIAGRAM AND LAYOUT



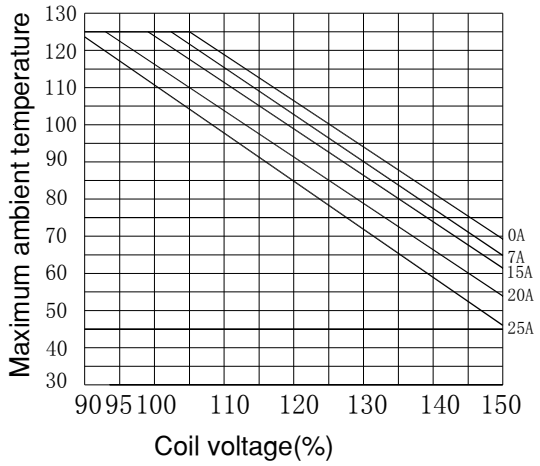


Layout (Bottom View)



ENGINEERING DATA

Ambient Temperature



Contact switching capacity