

# FLV4

# Automotive Relay

28×28×25  
28×31.8×41



- 40A continuous rating 85°C
- 1A&1C arrangements
- Plug-in or PC board terminals
- Optional mounting bracket
- Conform to RoHS,ELV directive

## CONTACT DATA

Contact Form	1H/1Z/1D
Contact Material	Silver Alloy
Load	Resistive load(COS Φ 1)
Contact Ratings	NO: 40A 14VDC NC: 30A 14VDC
Max Switching Voltage	30VDC
Max Switching Current	40A
Max Switching Power	560W
Contact Resistance	100m Ω Max at 6VDC 1A
Electrical	100, 000 Operations(at300Operations/minute)
Mechanical	10, 000, 000 Operations(at300Operations/minute)

## CHARACTERISTICS DATA

Insulation Resistance	100M Ω Min at 500VDC
Between Open Contacts	500VAC(for one minute)
Between Contacts and Coil	750VAC(for one minute)
Operate Time	10ms
Release Time	10ms
Temperature Range	-40°C to +85°C
Shock Resistance	Operating Extremes: 10G
	Damage Limits: 20G
Vibration Resistance	10-40Hz, 1.5mm
Max. switching frequency	Mechanical: 18,000operations/hr
	Electrical: 1,800operations/hr
Humidity	40-85%
Weight	Approx 40g

## COIL DATA

at 20°C

### Coil Power 1.6W

Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance (Ω ±10%)
6	267	3.9	0.6	23
12	133	7.8	1.2	90
24	67	15.6	2.4	360

### Coil Power 1.9W

Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance (Ω ±10%)
6	317	3.9	0.6	19
12	158	7.8	1.2	76
24	79	15.6	2.4	300

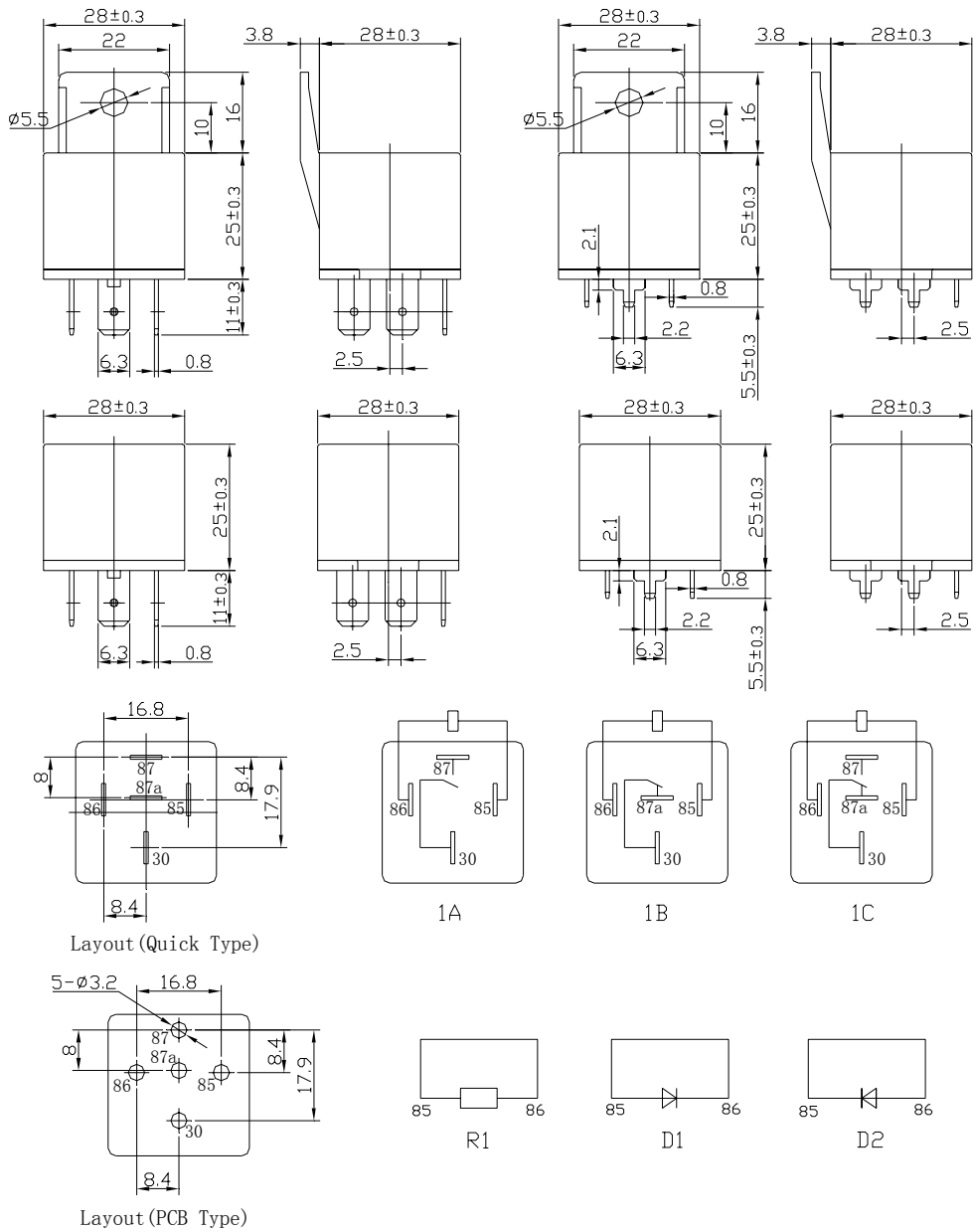
## OPDERING CODE

<u>FLV4</u>	<u>L</u>	<u>—12V (D1)</u>	<u>— Z</u>	<u>— F</u>	<u>— P</u>
1	2	3 4	5	6	7

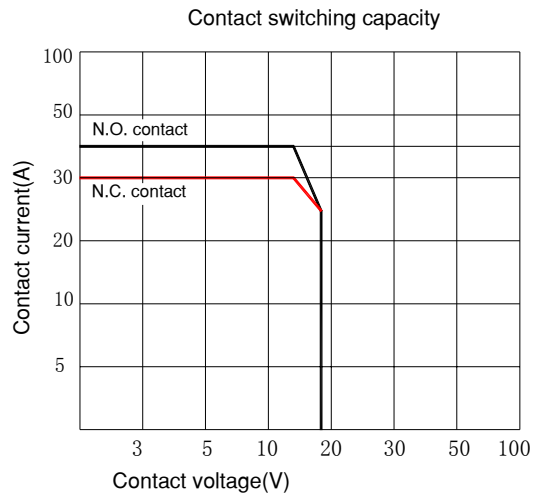
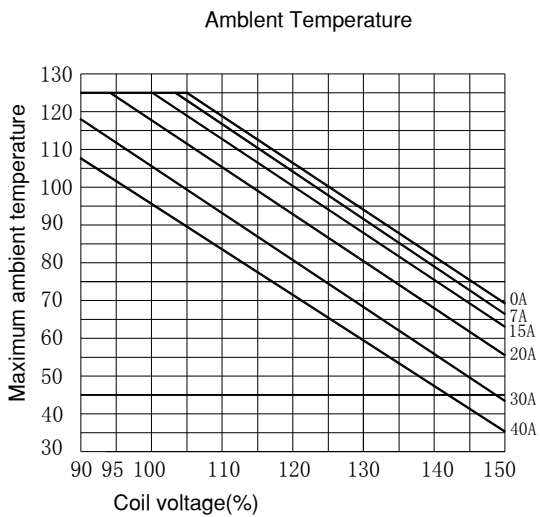
1. Relay Model
2. Coil Power  
D=1.9W; L=1.6W
3. Coil Nominal Voltage  
6,12,24VDC
4. Nil: Standard  
R1: Coil parallel with 1/2W resistor 680 Ω for Coil voltage 12VDC; 2700 Ω for coil voltage 24VDC  
D1/D2: With diode(See Outline Dimensions)
5. Contact Form  
Z: Form C, H: Form A, D: Form B
6. F: WITH BRACKET  
Nil: WITHOUT BRACKET
7. P: PCB Type  
Nil: B Type



**OUTLINE DIMENSIONS, WIRING DIAGRAM AND LAYOUT**



**ENGINEERING DATA**



**FLOURISHING RELAY**

The specifications are for the customer's reference and are subject to change without notice.