FLV6 Automotive Relay

28.6×28.6×26.5

28.6×32.4×42.5

- 80A continuous rating 85℃
- 1A,1B&1C arrangements
- Plug-in or PC board terminals
- Optional mounting bracket
- Conform to RoHS,ELV directive

CONTACT DATA

Contact Form	1H/1D/1Z
Contact Material	Silver Alloy
Load	Resistive load(COSΦ1)
Contact Ratings	NO: 50A 14VDC NC: 40A 14VDC
	NO: 80A 14VDC NC: 60A 14VDC
Minimum load	0.5A 12VDC
Max Switching Voltage	75VDC
Max Switching Current	80A
Max Switching Power	980W
Contact Resistance	100mΩMax at 6VDC 1A
Electrical	100, 000 Operations(at30Operations/minute)
Mechanical	10, 000, 000 Operations(at300Operations/minute)

CHARACTERISTICS DATA

Insulation Resistance	100MΩMin at 500VDC
Between Open Contacts	500VAC(for one minute)
Between Contacts and Coil	500VAC(for one minute)
Operate Time	7ms
Release Time	5ms
Temperature Range	-40℃to+85℃
Shock Resistance	Operating Extremes: 10G
	Damage Limits: 20G
Vibration Resistance	10-40Hz, 1.5mm
Max. switching frequency	Mechanical: 18,000 operations/hr Electrical: 1,800 operations/hr
Humidity	40-85%
Weight	Approx 46g

COIL DATA at 20℃

Coil Power 1.8W

Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance (Ω ±10%)
6	300	3.9	0.6	20
12	150	7.8	1.2	80
24	75	15.6	2.4	320

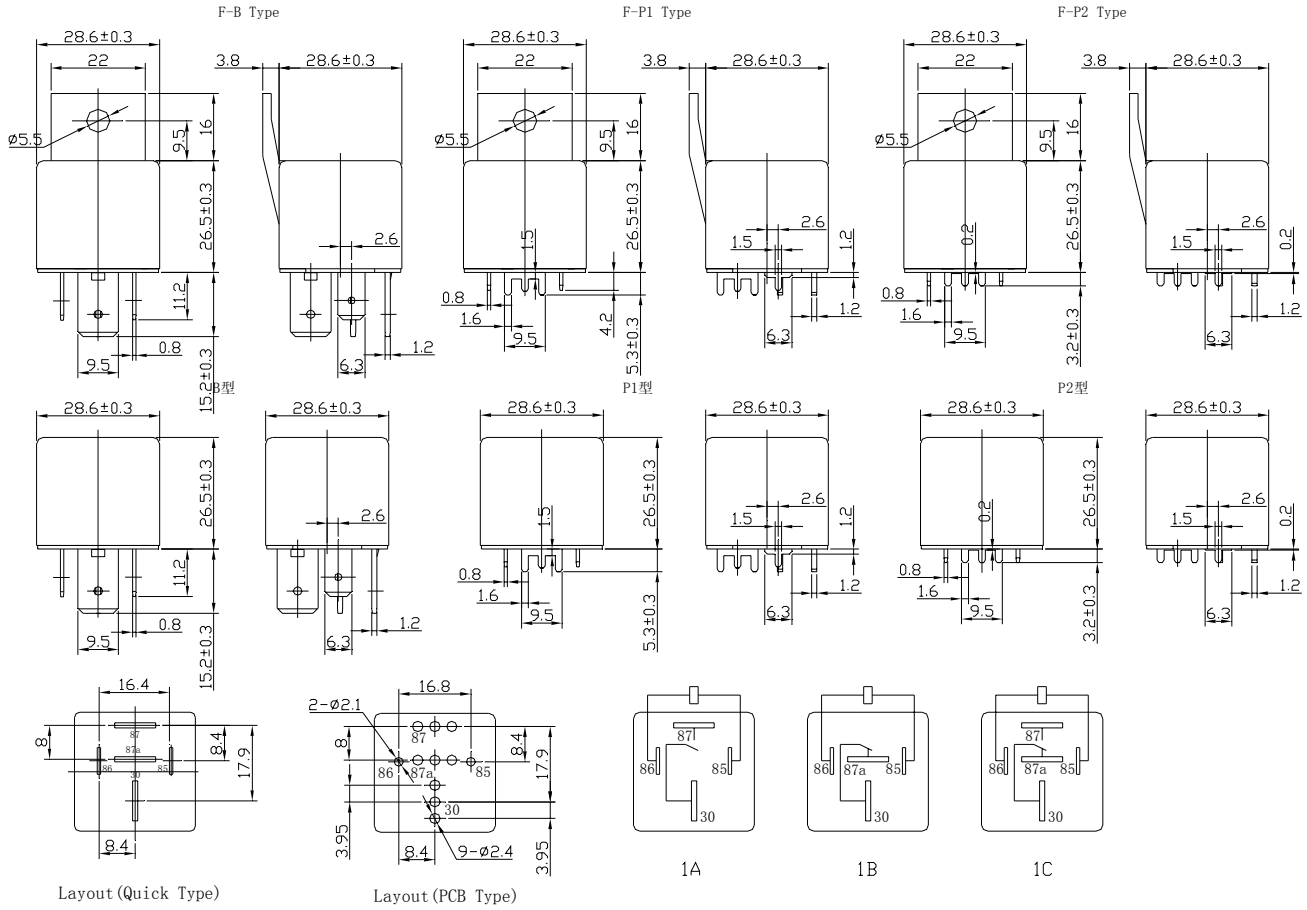
OPDERING CODE

FLV6 — 12VDC — Z — F — P1

1 2 3 4 5

1. Relay Model
2. Coil Nominal Voltage
   6,12,24VDC
3. Contact Form
   Z: Form 1C, H: Form 1A, D: Form 1B
4. F: WITH BRACKET
   Nil: WITHOUT BRACKET
5. P1: PCB Type 5.3mm
   P2: PCB Type 3.2mm
   Nil: B Type

OUTLINE DIMENSIONS, WIRING DIAGRAM AND LAYOUT



ENGINEERING DATA