

**FEATURES**

- Switching capacity up to 35A
- 1A and 1C configurations
- PCB broad mounting and plug in mounting available

**CONTACT DATA**

Contact form	1A, 1C
Contact resistance (Initial)	$\leq 50\text{m}\Omega$
Contact rating (Resistive)	1A: 35A,25A/14VDC 1C: 20A/14VDC NO:30A/14VDC NC:25A/14VDC
Max. switching power	490W
Max. switching voltage	75VDC
Max. switching current	35A
Contact material	Silver Alloy

**CHARACTERISTICS**

Insulation resistance	100M $\Omega$ min (at 500VDC)
Dielectric strength	50Hz 1000V, between coil and contacts 50Hz 500V, between contacts
Operate time	$\leq 10$ ms
Release time	$\leq 7$ ms
Vibration resistance	10-40Hz double amplitude 1.27mm
Shock resistance	100m/s <sup>2</sup> 11ms
Solderability	235°C $\pm$ 2°C 3 $\pm$ 0.5s
Humidity	85% (at 40°C)
Ambient temperature	- 40°C to +125°C
Life expectancy	
- Electrical	10 <sup>5</sup>
- Mechanical	10 <sup>7</sup>

**COIL SPECIFICATIONS – 1A**

Nominal voltage (VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC(Min.)	Nominal current (mA $\pm$ 10%)	Coil resistance ( $\Omega$ $\pm$ 10%)	Power consumption (W)
6	4.2	0.6	200	30	1.2
12	8.4	1.2	100	120	1.2
24	16.8	2.4	50	480	1.2
48	33.6	4.8	25	1920	1.2

**COIL SPECIFICATIONS – 1C**

Nominal voltage (VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC(Min.)	Nominal current (mA $\pm$ 10%)	Coil resistance ( $\Omega$ $\pm$ 10%)	Power consumption (W)
6	4.2	0.6	250	24	1.5
12	8.4	1.2	125	96	1.5
24	16.8	2.4	62.5	384	1.5
48	33.6	4.8	31.3	1536	1.5

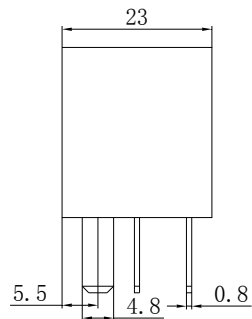
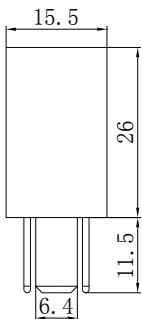
## ORDERING INFORMATION

**MEV1** - **012** - **Z** **S** **1** **D**

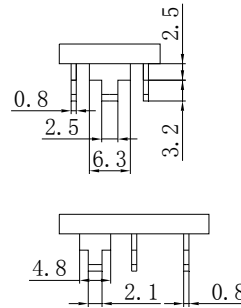
Model No.	Coil Voltage	Contact Form	Protection	Terminals	Coil transient suppression
MEV1	6VDC-12VDC C	H: 1A Z: 1C	Nil: Dust cover S: Sealed type	1: PCB Type 1 2: PCB Type 2 3: Plug in type	Nil: Standard D: With diode R: With resistance

Note: 1) When testing, coil terminals shall be connect, if coil transient suppression is installed in relay.

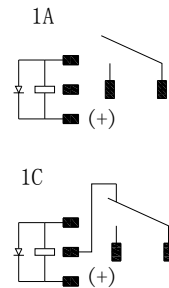
## DIMENSIONS(unit:mm)



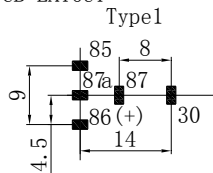
PCB Footprint



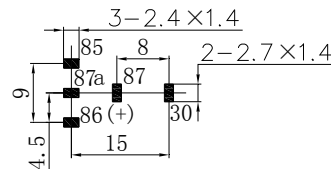
SCHEMATIC (Bottom View)



PCB LAYOUT



Type2



**Disclaimer: All the specifications are subject to change without notice.**