MEKP MASSUSE RELAY

FEATURES

- 40A switching capacity
- 1A-NO and 1C contact arrangements
- PCB terminals
- Open & sealed version available
- Conform to RoHS, ELV directive

CONTACT DATA

Contact form	1A & 1C
Contact resistance (Initial)	100mΩ (at 1A 6VDC)
Contact rating	1A: 40A 14VDC 1C – NO/NC: 40/30A 14VDC
Max. switching power	560W
Max. switching current	40A
Max. switching voltage	60VDC
Contact material	Silver Alloy

CHARACTERISTICS

Insulation resistance	100MΩ at 500VDC
Dielectric strength	Between open contacts 500VAC, 1min. Between Contacts and coil 500VAC,1min
Operate time	5 ms
Release time	4 ms
Vibration resistance	10 – 40Hz 1.27mm, 40-70Hz 5m/s^2 70-100Hz 0.5mm, 100-500Hz 10m/s^2
Shock resistance	Operating Extremes 20G Damage Limits: 100G
Storage temperature	- 40℃ to 85℃
Life expectancy - Electrical - Mechanical	 1,800 operations/hr 18,000 operations/hr

COIL SPECIFICATIONS – 1.6w

Nominal voltage (VDC)	Pick-up voltage VDC	Drop-out voltage VDC	Rated Current (mA)	Coil Resistance (Ω)	Power consumption (W)
3	1.95	0.3	533	6	1.6
5	3.25	0.5	320	16	1.6
6	3.9	0.6	267	23	1.6
9	5.85	0.9	178	50	1.6
12	7.8	1.2	133	90	1.6
24	15.6	2.4	67	360	1.6

COIL SPECIFICATION – 1.9w

Nominal voltage (VDC)	Pick-up voltage VDC	Drop-out voltage VDC	Rated Current (mA)	Coil Resistance (Ω)	Power consumption (W)
3	1.95	0.3	633	5	1.9
5	3.25	0.5	380	13	1.9
6	3.9	0.6	317	19	1.9
9	5.85	0.9	211	43	1.9
12	7.8	1.2	158	76	1.9
24	15.6	2.4	79	300	1.9

MEKP MASSUSE RELAY

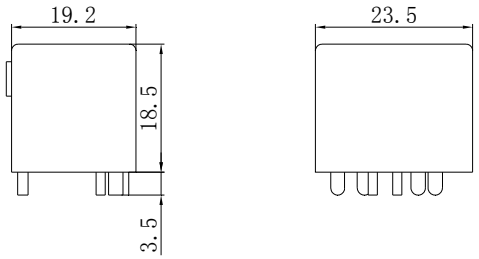
ORDERING INFORMATION

MEKP - 012 - 1H 1 L

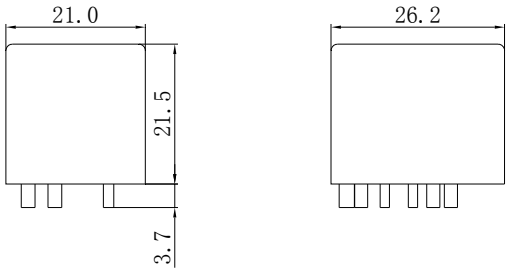
Model No.	Coil Voltage	Contact Form	Version	Coil Power Consumption
MEKP	3,5,6,9,12,24VDC	1H: 1A 1Z: 1C	1: USA open model 2: USA sealed model 3: European open model 4: European sealed model	Nil: 1.6W L: 1.9W

DIMENSIONS(units:mm) Tolerance:±0.5mm

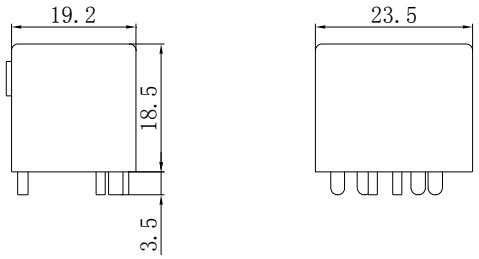
USA FOTPRINT OPEN MODEL



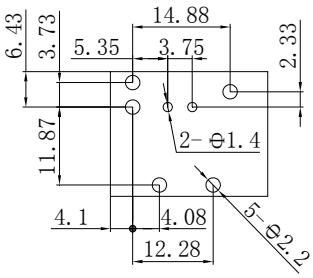
SEALED MODEL



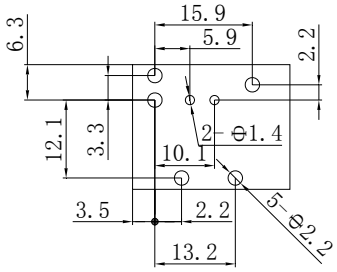
EUROPE FOTPRINT OPEN MODEL



PCB Layout USA Type

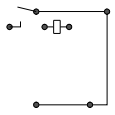


PCB Layout Europe Type

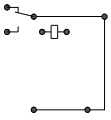


Schematic

1A



1C



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

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