

FEATURES

- Multi contact arrangements:2 form C (2Z type),1NO+1NC(HD1 type),1NO+1NC(HD2 type)
- 8A switching capability
- Forcibly guided contacts according to EN50205
- High insulation capability(1.2/50us):10kv surge voltage between coil &contacts and 6kv between contact set
- Insulation system: Class F available
- Environmental friendly product (ROHS compliant)
- Subminiature size 29 x 12.6 x 25.5(L x W x H)

CONTACT DATA

Contact form	2 Form C(2Z type) 1NO+1NC(HD1 type) 1NO+1NC(HD2 type)
Forcibly guided contacts type	HD1,HD2 type: A 2Z type: B
Contact resistance (Initial)	100mΩ max.(at 1A 6VDC)
Contact rating (Rated load)	6A 250VAC/30VDC
Max. switching voltage	400VAC/30VDC
Max. switching current	8A
Max. switching power	1500VA/180W
Contact material	AgSnO ₂
Construction	Plastic sealed

CHARACTERISTICS

Insulation resistance	1000MΩ at 500VDC
Dielectric strength	4000VAC, between coil to contacts(1min) 1500VAC, between open contacts(1min) 3000VAC,between contact sets(1min)
Surge voltage	10kv,between coli to contacts(1.2/50us) 2.5kv,between open contacts(1.2/50us) 6kv,between contact sets(1.2/50us)
Operate time	Max. 15 ms (nominal voltage)
Release time	Max. 10 ms (nominal voltage)
Vibration resistance	NO:10-55Hz,1.6mm DA 55-200Hz,98m/s ² NC:10-55Hz,0.4mm DA
Shock resistance	NO:98 m/s ² NC:49 m/s ² Destructive:980m/s ²
Humidity	5% to 85% RH
Ambient temperature	-40°C to + 70°C
Clearance distance	8mm,between coil to contacts 5.5mm,between contacts
Life expectancy	
- Electrical	1x10 ⁵ ops(1NO:6A250VAC/30VDC,Resistive load,at70°C,1s on 9s off) 5x10 ⁴ ops(1NC:6A250VAC/30VDC,Resistive load,at70°C,1s on 9s off)
- Mechanical	1 x 10 ⁷ operations

COIL SPECIFICATIONS

Nominal voltage (VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC(Min.)	Nominal current (mA±10%)	Coil resistance ($\Omega\pm 10\%$)	Power consumption(mW)	Max. allowable voltage(VDC)
5	3.80	0.5	140	35.7	700	130% of nominal voltage
6	4.50	0.6	117	51	700	
9	6.80	0.9	77.5	116	700	
12	9.00	1.2	58	206	700	
15	11.3	1.5	46.7	321	700	
18	13.5	1.8	37	483	700	
21	15.8	2.1	33.3	630	700	
24	18.0	2.4	29	823	700	
36	27.0	3.6	19.5	1851	700	
40	30.0	4.0	17.5	2286	700	
48	36.0	4.8	14.5	3291	700	
60	45.0	6.0	11.7	5142	700	
80	64.0	8.0	8.8	9143	700	
110	82.5	11.0	6.4	17285	700	

ORDERING INFORMATION

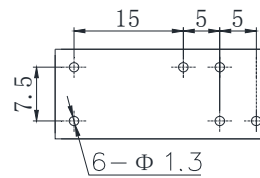
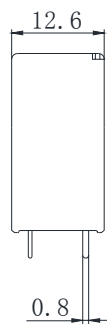
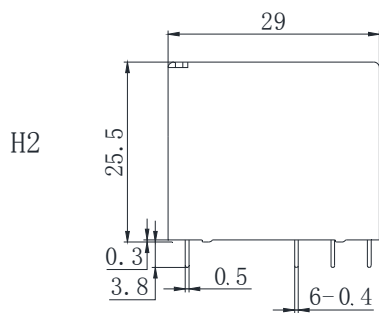
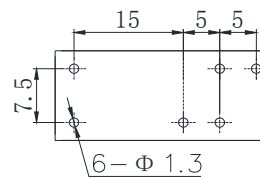
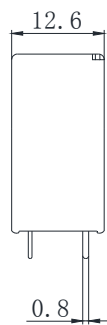
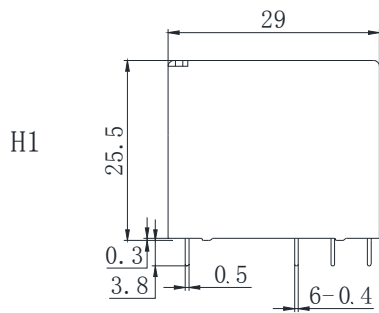
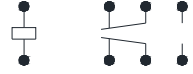
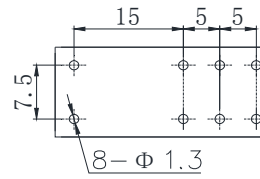
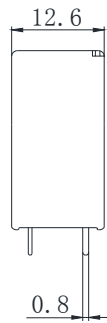
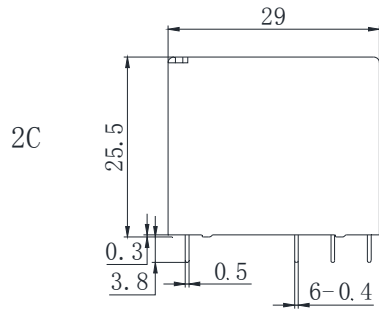
MEFD2 - **012** - **H1** **S** **T** **F** **G**

Model No.	Coil Voltage	Contact Form	Package Type	Contact Material	Insulation System	Contact plating
MEFD2	5VDC– 110VDC	H1:1NO+1NC (type 1) H2:1NO+1NC (type 2) 2Z: 2 C	Nil: Flux Proof S: Sealed	T: AgSnO	Nil: Class B F : Class F	Nil: No gold plated G: Gold plated

Dimensions(unit:mm)

Tolerance:±0.2

Tolerance:±0.1



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