

FEATURES

- Multi contact arrangements:2NO+2NC,3NO+1NC
- 6A switching capability
- Forcibly guided contacts according to EN50205
- Low input power:360mW
- High insulation capability:10kv surge voltage between input and output
- Insulation system: Class F available
- Environmental friendly product (ROHS compliant)
- Subminiature size 40 x 13 x 24(L x W x H)

CONTACT DATA

Contact form	2NO+2NC 3NO+1NC
Forcibly guided contacts type	Type: A
Contact resistance (Initial)	100mΩ max.(at 1A 6VDC)
Contact rating (Rated load)	6A 250VAC/30VDC
Max. switching voltage	400VAC/30VDC
Max. switching current	6A
Max. switching power	1500VA/180W
Contact material	AgSnO ₂
Construction	Flux proofed

CHARACTERISTICS

Insulation resistance	1000MΩ at 500VDC
Dielectric strength	4000VAC, between coil to contacts(1min) 1500VAC, between open contacts(1min) 2500VAC, between contact sets(1min,7-8/9-10) 4000VAC, between contact sets(1min other)
Surge voltage	10kv,between coli to contacts(1.2/50μs) 5kv,between contact sets(1.2/50μs)
Operate time	Max. 20 ms (nominal voltage)
Release time	Max. 20 ms (nominal voltage)
Vibration resistance	NO/NC:10-55Hz,1.5mm DA NO:55-200Hz,98m/s ² NC:55-200Hz,49m/s ²
Shock resistance	Functional:100 m/s ² Destructive:980m/s ²
Humidity	5% to 85% RH
Ambient temperature	-40°C to + 85°C
Clearance distance	8mm,between coil to contacts 5.5mm,between contacts
Life expectancy	- Electrical 1x10 ⁵ ops(1NO:6A 30VDC,Resistive load,at85°C,1s on 9s off) 5x10 ⁴ ops(1NC:6A 250VAC,Resistive load,at85°C,1s on 9s off) - Mechanical 1 x 10 ⁵ 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)
6	4.50	0.6	60	100	360	130% of nominal voltage
9	6.80	0.9	40	225	360	
12	9.00	1.2	30	400	360	
18	13.5	1.8	20	900	360	
24	18.0	2.4	15	1600	360	
36	27.0	3.6	10	3600	360	
48	36.0	4.8	7.5	6400	360	

ORDERING INFORMATION

MEFD4 - **012** - **2A2B** **T** **F** **G**

Model No.	Coil Voltage	Contact Form	Contact Material	Insulation System	Contact plating
MEFD4	6VDC-48VDC	2A2B:2NO+2NC 3A1B:3NO+1NC	T: AgSnO ₂	Nil: Class B F : Class F	Nil: No gold plated G: Gold plated

Dimensions(unit:mm)

Tolerance:±0.2

Tolerance:±0.1

