FEATURES

- 2 Main contact + 1 Auxiliary contact
- Detection of main contact welding makes it possible to construct a safety circuit
- Fully compliant to the 10kA short circuit current test and 500A switching
- Meet the requirements for Auxiliary contact linked with power contact (mirror contact)
- Low coil holding voltage contributes to saving energy of equipment
- Contact gap:3.6mm(Main contact), each contact
- Insulation system: Class F

CONTACT DATA

COTTACT DITTI

Contact arra	angement	2A,2A1B		
Contact	Main contact	10 mΩ(6VDC20A)		
resistance	Auxiliary	100 mO(1 A 6VDC)		
(initial)	contact	$100 \text{ m}\Omega(1\text{A 6VDC})$		
Contact	Main contact	50A 440VAC		
rating(Res	Auxiliary	1A 277VAC		
istive)	contact	1A 30VDC		
Max.	Main contact	440VAC		
switching	Auxiliary	277VAC 30VDC		
voltage	contact	277 VAC 30 VDC		
Min.	Auxiliary	NC:100mA 12VDC		
switching	contact	NC(Gold plated):		
load		10mA 12VDC		
Max.	Main contact	50A		
switching	Auxiliary	1A		
current	contact	IA		
Max.	Main contact	22000VA		
switching	Auxiliary	277VA/30W		
power	contact	211 VAJ 30 W		
Contact	Main contact	AgSnO ₂		
material	Auxiliary	AgNi		
	contact	Agivi		

CHARACTERISTICS

Insulation	1000MΩ at 500VDC		
resistance			
Dielectric	5000VAC, 1 min. between coil to contacts		
strength	2000VAC,1min. between contacts sets		
	2000VAC, 1 min. between open contacts		
	2000VAC,1min.between main contact to		
	Auxiliary contact		
	2000VAC,1min. between coil and		
	Auxiliary contacts		
	1000VAC,1min. between open Auxiliary		
	contacts		
Operate time	Max. 40 ms (nominal voltage)		
Release time	Max. 20 ms (nominal voltage)		
Vibration	10-55Hz, 1.0mm DA		
resistance	10-3311Z, 1.0111111 DA		
Temperature	70K max.(contact load current		
rise	50A, Applied voltage of coil 100% rated		
	voltage for 100ms holding voltage of coil		
	50% rated voltage,at 85°C)		
Shock	Functional:98m/s ²		
resistance	Destructive:980m/s ²		
Humidity	5% to 85% RH		
Ambient			
temperature	-40℃ ~ 85℃		
Life			
expectancy			
- Mechanical	2 x 10 ⁵ operations		

Electrical Endurance

Life expectancy Electrical Endurance

NO: 5 x 10⁴ops,Making 10A Loading 50A Breaking 10A 440VAC, Resistive load, 85 °C , NC: 10 x 10⁴ ops,1A 277VAC/30VDC, Resistive load, 85 °C ,1s on 9s off

COIL SPECIFICATIONS

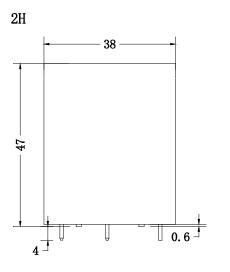
Nominal	Pick-up	Drop-out	Nominal	Coil resistance	Power	Max.
voltage	voltage	voltage	current	(Ω±10%)	consumption(W)	allowable
(VDC)	VDC(Max.)	VDC(Min.)	(mA±10%)			voltage(VDC)
9	6.75	0.45	400	22.5	3.6	110% of
12	9	0.6	300	40	3.6	nominal
24	18	1.2	150	160	3.6	voltage
48	36	2.4	75	640	3.6	

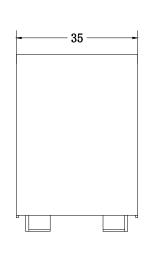
ORDERING INFORMATION

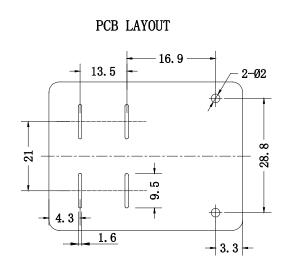
<u>ME-46</u>	- 012	- <u>2H</u>	<u>D</u>	<u>T</u>	<u>F</u>	<u>G</u>
Model No	. Coil Voltage	Contact Form	Auxiliary contacts	Contact	Insulation	Special code
			arrangement	Material	System	
ME-46	9VDC-48V	2H: 2 A	Nil: Without	T: AgSnO ₂	F : Class F	Nil: Compliant
	DC		Auxiliary contact			IEC62955
			D: 1B			G: Auxiliary contact
						gold plated

Dimensions(unit:mm)

Tolerance: ±0.5mm



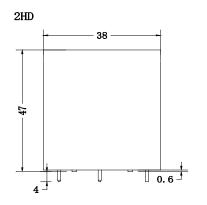


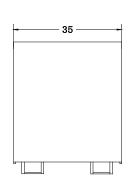


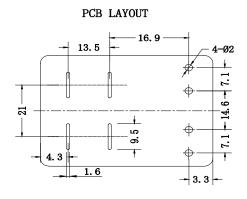
Fax: (852) 2421 6824

Dimensions(unit:mm)

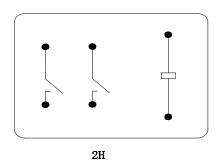
Tolerance: ±0.5mm

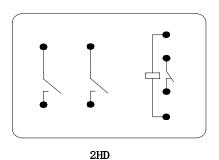






Wiring Diagram





Remark:

- 1) In case of no tolerance shown in outline dimension: outline dimension ≤ 1 mm, tolerance should be ± 0.2 mm; outline dimension > 1mm and ≤ 5 mm, tolerance should be ± 0.3 mm; outline dimension> 5mm, tolerance should be ± 0.4 mm.
- 2) The tolerance without indicating for PCB layout is always ± 0.1 mm.

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