

FEATURES

- 1A and 1C configurations
- 12A switching capacity
- Insulation for high temperature operation:
Class B, Class F
- UL and CUL approval, File No.: E179937
- TUV Approval File No.: R50154031

CONTACT DATA

Contact form	1 A ; 1 C
Contact resistance (Initial)	Max. 100mΩ
Contact rating Resistive load	12A 277VAC 10A 240/277VAC 12A 28VDC 1/3 HP 125VAC
Inductive Load	2A 240VAC
Max. switching power	2400VA/280W
Make current	20A
Max. switching current	12A
Max. switching voltage	250VAC/30VDC
Contact material	AgCdO / AgSnO ₂

CHARACTERISTICS

Insulation resistance	100MΩ
Dielectric strength	1500Vrms, between coil to contacts 750Vrms, between open contacts
Operate time	Max. 10 ms
Release time	Max. 5 ms
Shock resistance	Functional: 100m/s ² ; Destructive: 1000m/s ²
Ambient temperature	-40°C to +105°C
Insulation system	Class B 130°C Class F 150°C
Humidity	35% to 95%
Vibration resistance	1.5mm, 10Hz to 55Hz
Life expectancy	Min. 1 x 10 ⁵ operations Min. 1 x 10 ⁷ operations
- Electrical	
- Mechanical	
Weight	13g

COIL SPECIFICATIONS

Nominal voltage (VDC)	Pick-up voltage VDC (Max.)	Drop-out voltage VDC (Min.)	Max. allowable voltage (at 20°C)	Coil resistance (Ω±10%)	Power consumption(mW)
3	2.4	0.3	3.6	25	360
5	4	0.5	6	70	360
6	4.8	0.6	7.2	100	360
9	7.2	0.9	10.8	225	360
12	9.6	1.2	14.4	400	360
18	14.4	1.8	21.6	900	360
24	19.2	2.4	28.8	1600	360
48	38.4	4.8	57.6	4500	512

ORDERING INFORMATION

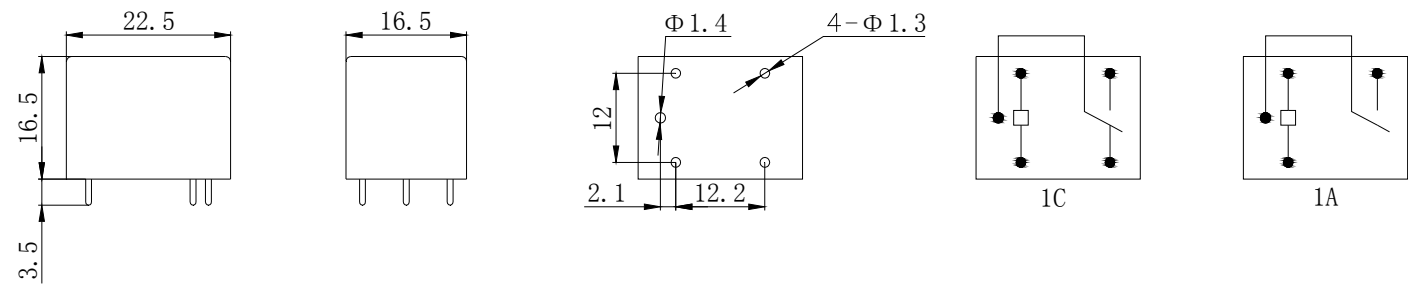
ME-15	-	12	-	1H	T	F	S
Model No.	Coil Voltage		Contact Form	Contact Material	Insulation System		Protection
ME-15	3, 5, 6, 9, 12, 18, 24 & 48VDC		1H: 1 A 1Z: 1 C	Nil: Standard T : Heavy duty	Nil: Class A B : Class B F : Class F		Nil: Unsealed type S : Sealed type

Dimensions(unit:mm)

Tolerance:±0.3

PCB LAYOUT (Bottom View)

SCHEMATIC(Bottom View)



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