

## 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.: R50071789

## CONTACT DATA

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

## 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 <sup>2</sup> ; Destructive: 1000m/s <sup>2</sup>
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 <sup>5</sup> operations Min. 1 x 10 <sup>7</sup> 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

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

## Dimensions(unit:mm)

Tolerance:±0.3

PCB LAYOUT

SCHEMATIC(Bottom View)

