

FEATURES

- 1 coil latch and 2 coil latch is available
- 16A switching capabilities
- Max. inrush current capacitor 500A/2ms
- Low height 15.7mm
- UL & CUL Approval File No.: E179937

CONTACT DATA

Contact form	1A, 1B, 1C
Contact resistance (Initial)	20mΩ (1A 24VDC)
Resistive load(CosΦ=1)	1A,1B: 16A 250VAC,1×10 ⁵ 20A 250VAC,2×10 ⁴ 1C: 16A 250VAC,5×10 ⁴
Inductive load (CosΦ=0.4)	1A,1B: 1.5HP 240VAC 8A 220VAC 1×10 ⁵ ops ME-11C-1: 3300W 277VAC,2×10 ⁴
Switching capacity	4000VA
Max. switching current	20A
Max. switching voltage	277VAC
Contact material	AgSnO ₂

CHARACTERISTICS

Insulation resistance	1000MΩ
Dielectric strength	4000VAC, 1 min. between coil to contacts 1000VAC, 1 min. between open contacts
Operate time	≤15 ms
Release time	≤15ms
Vibration resistance	10Hz to 55Hz, 1.5mmDA
Shock resistance	Functional: 98m/s ² Destructive: 980m/s ²
Humidity	5% to 85% RH40°C
Ambient temperature	- 40°C to + 85°C
Life expectancy	
- Electrical	1 × 10 ⁵ operations
- Mechanical	1 × 10 ⁶ operations

COIL SPECIFICATIONS: 1 COIL LATCH

Nominal voltage (VDC)	Set & reset voltage (VDC)	Nominal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption(mW)
3	2.4	133.3	22.5	400
5	4.0	80	62.5	400
6	4.8	66.7	90	400
9	7.2	44.4	202.5	400
12	9.6	33.3	360	400
24	19.2	16.7	1440	400

2 COIL LATCH

Nominal voltage (VDC)	Set / Reset voltage (VDC)	Nominal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption(mW)
3	2.4	200	15 + 15	600
5	4.0	119	42 + 42	600
6	4.8	100	60 + 60	600
9	7.2	66.7	135 + 135	600
12	9.6	50	240 + 240	600
24	19.2	27	886 + 886	600

ORDERING INFORMATION

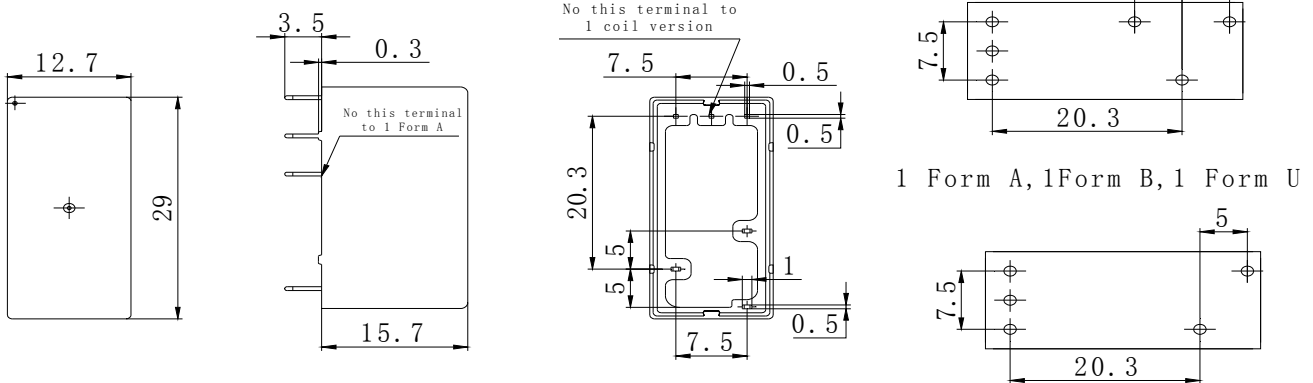
ME-11C - L1 - 12 - 1H S 1 R T

Model No.	Version	Coil Voltage	Contact Form	Protection	Version	Polarity	Contact material
ME-11C	L1: 1 Coil Latch L2: 2 Coil Latch	3, 5, 6, 9, 12 or 24VDC	1H: 1A 1D: 1B 1Z: 1C	Nil: Flux Free Type S: Sealed	1: 5mm 2: 3.5mm 3: 2.5mm	Nil: Standard Polarity R: Reverse Polarity	T: AgSnO2 W: W+ AgSnO2

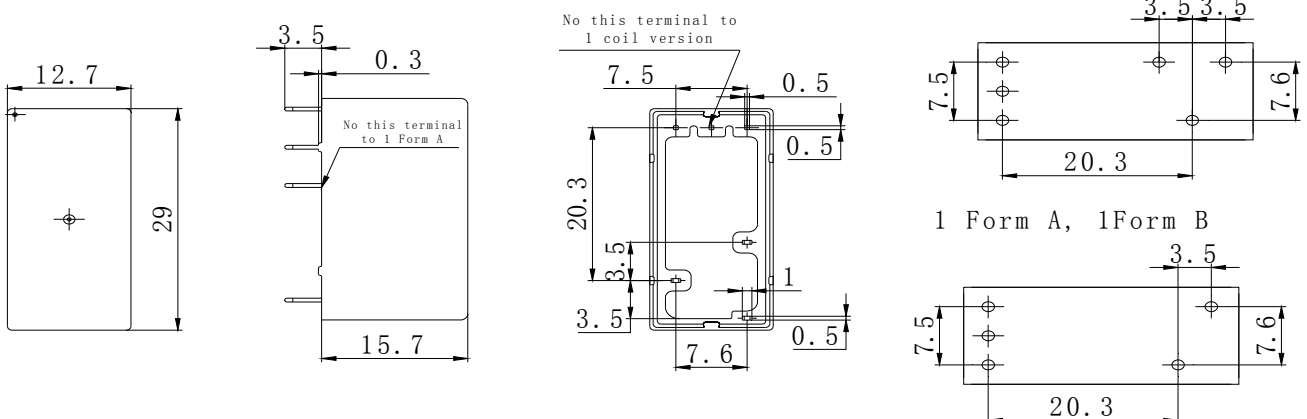
NOTE: **1Z is only suitable for 1: 5mm and 2: 3.5mm.

OUTLINE DIMENSIONS AND WIRING DIAGRAM (unit: mm)

ME-11C-XXX-1 (5mm Pinning)



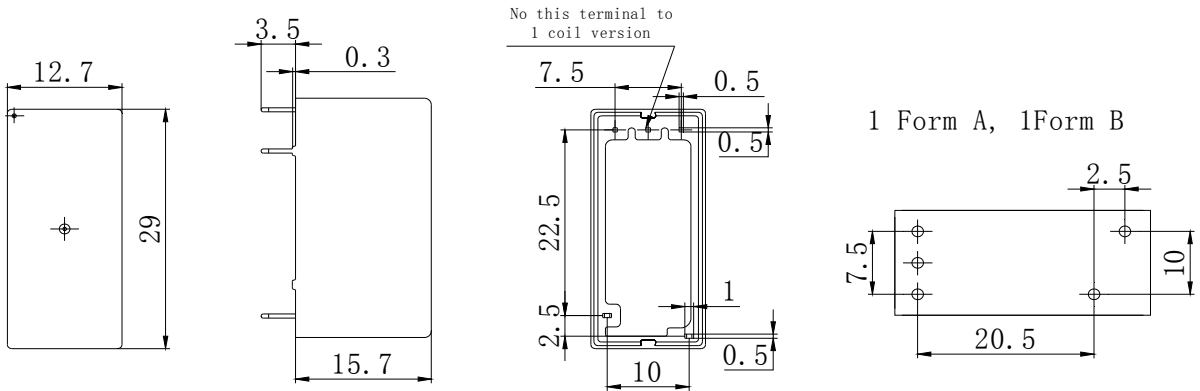
ME-11C-XXX-2 (3.5mm Pinning)



OUTLINE DIMENSIONS AND WIRING DIAGRAM (unit: mm)

PCB Layout (Bottom view)

ME-11C-XXX-3 (2.5mm Pinning)



ME-11C-XXX-3

Wiring Diagram(Bottom)



Positive polarity

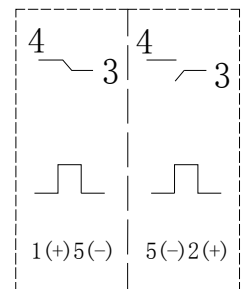
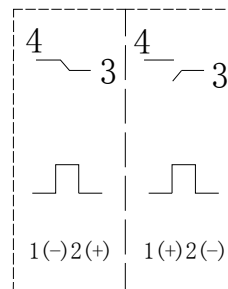
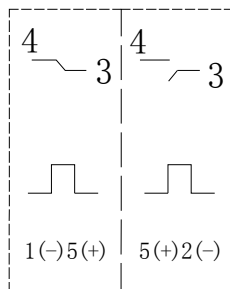
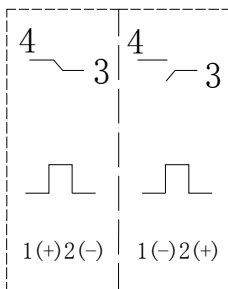
Reverse polarity

1 coil latching, 1 Form A

2 coil latching, 1 Form A

1 coil latching, 1 Form C

2 coil latching, 1 Form C

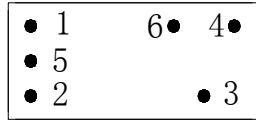


OUTLINE DIMENSIONS AND WIRING DIAGRAM (unit: mm)

Wiring Diagram(Bottom)

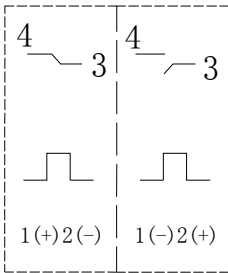
ME-11C-XXX-1

ME-11C-XXX-2

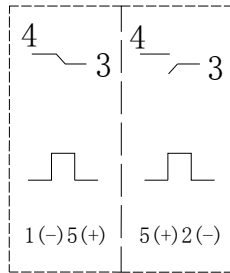


Positive polarity

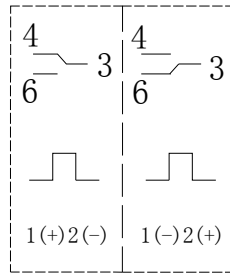
1 coil latching, 1 Form A



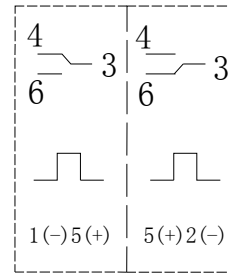
2 coil latching, 1 Form A



1 coil latching, 1 Form C

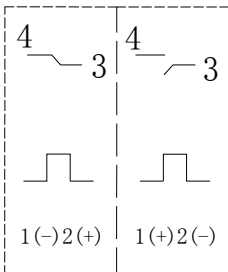


2 coil latching, 1 Form C

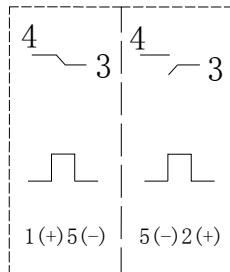


Reverse polarity

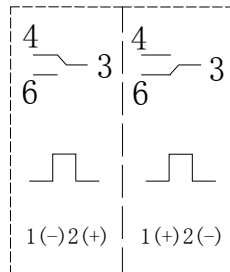
1 coil latching, 1 Form A



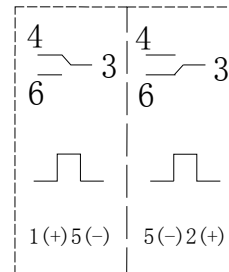
2 coil latching, 1 Form A



1 coil latching, 1 Form C



2 coil latching, 1 Form C



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