

FEATURES

- 30A switching capacity
- 1 A, 1 B and 1 C configurations
- Heavy load up to 7,200VA
- PCB coil terminals, ideal for heavy duty load
- Plastic sealed and flux proofed types available
- UL insulation system: Class F available
- UL and CUL approval, File No.: E179937

CONTACT DATA

Contact form	1 A, 1 B & 1 C
Contact resistance (Initial)	50mΩ max. (at 1A 24VDC)
Contact rating	1A:30A/240VAC 20A 30VDC 1B:15A/240VAC 10A 30VDC 1C:NO: 20A/240VAC 30VDC NC: 10A/240VAC 30VDC
Max. switching power	1A: 7200VA 600W 1B: 3600VA 300W 1C: NO:4800VA 600W NC: 2400VA 300W
Max. switching volt	277VAC / 30VDC
Max. switching current	1A:40A, 1B:15A, 1C(NO)20A, (NC)10A
Contact material	AgCdO

CHARACTERISTICS

Insulation resistance	1000MΩ at 500VDC
Dielectric strength	ME-55 2500VA 1min. between coil & contacts ME-55-1 2000VA 1min. between coil & contacts 1500VAC1min. between open contacts
Operate time	15 ms
Release time	10 ms
Vibration resistance	10 – 55Hz, DA 1mm
Shock resistance	Malfunction: 98m/s ² ;Mechanical: 980m/s ²
Humidity	5%-85%RH
Ambient temperature	- 55°C to + 85°C
Life expectancy	
- Electrical	1 x 10 ⁵ operations
- Mechanical	1 x 10 ⁷ operations

COIL SPECIFICATIONS

Nominal voltage (VDC)	Pick-up voltage VDC (Max.)	Drop-out voltage VDC (Min.)	Nominal current (mA ± 10%)	Coil resistance (Ω ± 10%)	Power consumption(mW)
5	3.75	0.5	180	27	900
6	4.5	0.6	150	40	900
9	6.75	0.9	100	97	900
12	9	1.2	75	155	900
15	11.25	1.5	60	256	900
18	13.5	1.8	50	380	900
24	18	2.4	37.5	660	900
48	36	4.8	18.8	2560	900
70	52.5	7.0	12.9	5500	900
110	82.5	11.0	8.2	13450	900

UL/CUL

Load type	Volts	1H	1D	1Z(NO)	1Z(NC)
General purpose	125/240VAC	30A	15A	30A	15A
	277VAC	30A	30A	30A	30A
Resistive	125/240VAC	30A	15A	--	--
	30VDC	20A	10A	20A	10A
	277VAC	20A	--	--	--
	240VAC	15A	--	--	--
	250VAC	40A	--	40A	--
Ballast	125/240/277VAC	6A	3A	6A	3A
Pilot duty	125VAC	800VA (6.4A)	290VA (2.32A)	800VA (6.4A)	290VA (2.32A)
	125VAC	690VA (5.52A)	--	690VA (5.52A)	--
	125VAC	800VA (6.4A)	--	800VA (6.4A)	--
	240VAC	1152VA (4.8A)	768VA (3.2A)	1152VA (4.8A)	768VA (3.2A)
	277VAC	764VA (2.76A)	--	764VA (2.76A)	--
Motor load	125VAC	1HP	1/4HP	1HP	1/4HP
	240VAC	2HP	1HP	2HP	1HP
	125VAC	1HP	--	1HP	--
	125/277VAC	3/4HP	--	3/4HP	--
Definite purpose (LRA- Loaded rotor) (FLA-Full load)	120VAC	82.8LRA, 13.8FLA	--	82.8LRA, 13.8FLA	--
	125VAC	96LRA, 30FLA	33LRA, 10FLA	60LRA,20FLA	33LRA,10FLA
	125VAC	60LRA, 20FLA	30LRA, 12FLA	60LRA, 20FLA	30LRA, 12FLA
	125VAC	82.8LRA,27FLA	--	82.8LRA, 27FLA	--
	240VAC	80LRA, 30FLA	33LRA, 10FLA	60LRA, 20FLA	33LRA,10FLA
	240VAC	41.4LRA, 6.9FLA	--	41.4LRA, 6.9FLA	--
	277VAC	60LRA, 20FLA	--	60LRA, 20FLA	--
Tungsten	125VAC	15A	--	15A	--
	240VAC	5A	--	5A	3A
	120VAC	--	3A	--	--
	240VAC	--	3A	--	--

ORDERING INFORMATION

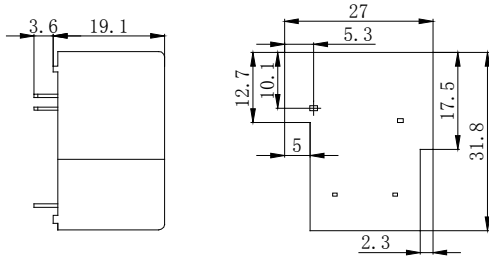
ME-55 - 012 - Z S F 1

Model No.	Coil Voltage	Contact Form	Protection	Insulation system	Termination
ME-55	5,6 ,9,12,15,18,24,48,70,110VDC	H: 1 A D: 1 B Z: 1 C	Nil: Dust protected S: Sealed	Nil: Class B F : Class F	0:4pin 1: 5pin

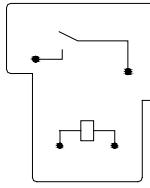
Dimensions(unit:mm) Tolerance:±0.3

ME-55 1 Form A

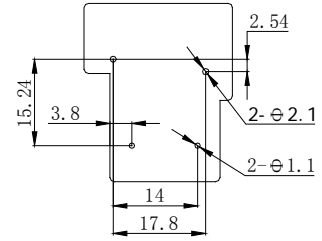
Outline Dimensions



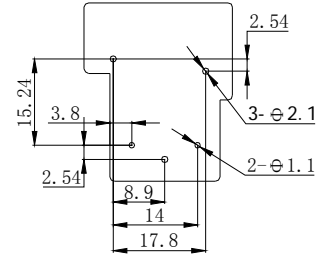
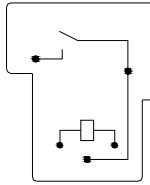
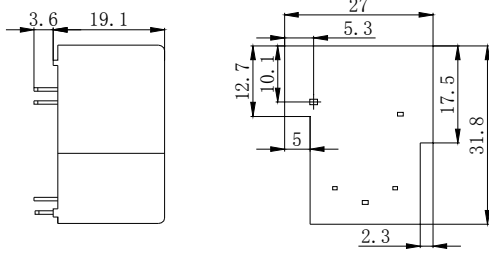
Wiring Diagram
Bottom View



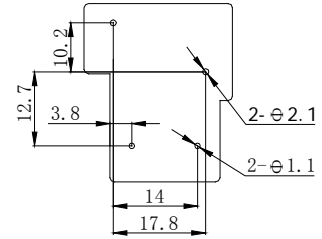
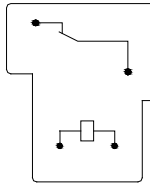
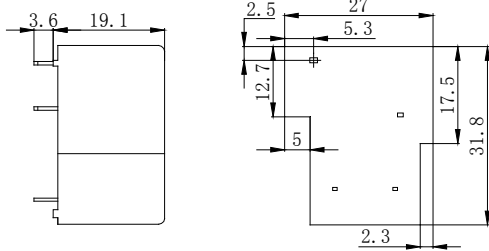
PCB Layout
Bottom View



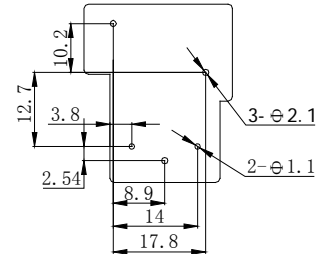
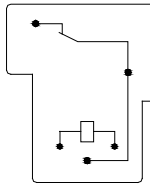
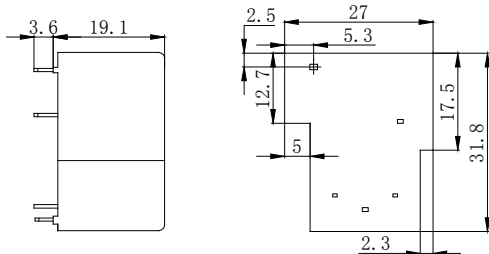
ME-55-1 1 Form A



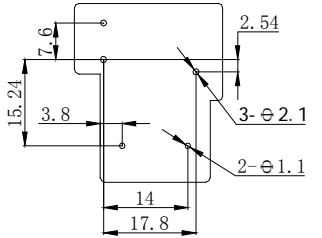
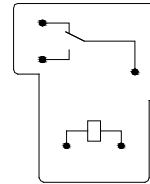
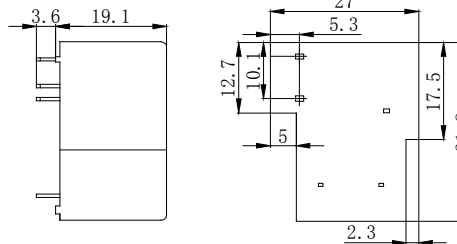
ME-55 1 Form B



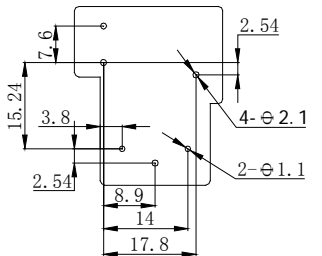
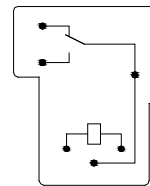
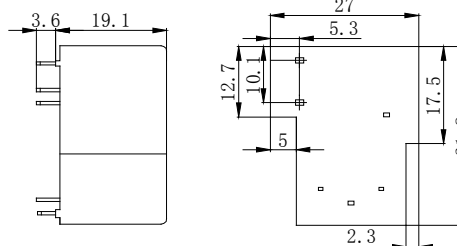
ME-55-1 1 Form B



ME-55 1 Form C



ME-55-1 1 Form C



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

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