

CATÁLOGO DE PRODUTOS RSE

PRODUTO: **RELÉ LM90**



RSE

Automação e Componentes Eletrônicos

RELÉ

LM 90



FEATURES

- 40A switching capacity
- Subminiature size 32X27.4X27.8 (L x W x H)
- 2.5KV Dielectric strength between coil and contacts
- 6000VA Max.Switching Power

CONTACT DATA

Contact form	1A/1B/1C
Contact resistance (Initial)	100mΩ(at 1A 6VDC)
Contact rating-AC	1A: 40A/250VAC 1B: 30A/250VAC 1C: NO 40A/250VAC NC 30A/250VAC
Contact rating-DC	1A: 40A/30VDC 1B: 30A/30VDC 1C: NO 40A/30VDC NC 30A/30VDC
Max.switching voltage	277VAC/30VDC
Max.carring power	7200VA/600W
Contact material	Silver Alloy

CHARACTERISTICS

Insulation resistance	1000MΩ 500VDC
Dielectric strength	1500VAC 1min. between coil to contacts 1500VAC 1min. between open contacts
Operate time	15 ms
Release time	10 ms
Vibration resistance	10-55Hz, at DA of 1.5mm
Shock resistance	Functional: 100m/S ² Destructive: 1000m/S ²
Humidity	35% ~ 85%RH
Ambient Temp.	-40°C ~ +85°C
Electrical life	1×10 ⁵ ops (at rated coil voltage)
Mechanical life	1×10 ⁷ ops

COIL DATA

Rated voltage (VDC)	Pick-up Voltage VDC (Max.)	Drop-out Voltage VDC (Min.)	Rated Current (mA±10%)	Coil resistance (Ω±10%)	Power (mW)
5	3.75	0.5	186	27	900
6	4.5	0.6	150	40	900
9	6.75	0.9	101	89	900
12	9	1.2	76	158	900
18	13.5	1.8	51	356	900
24	18	2.4	38	634	900
36	27	3.6	25.2	1426	900
48	36	4.8	19	2534	900
110	82.5	11.0	8.3	13310	900

Notes: 1) All values unspecified are at room temperature.
2) Only typical loads are listed above. Other load specifications can be available upon request.
3) For sealed type, the vent-hole cover should be excised.

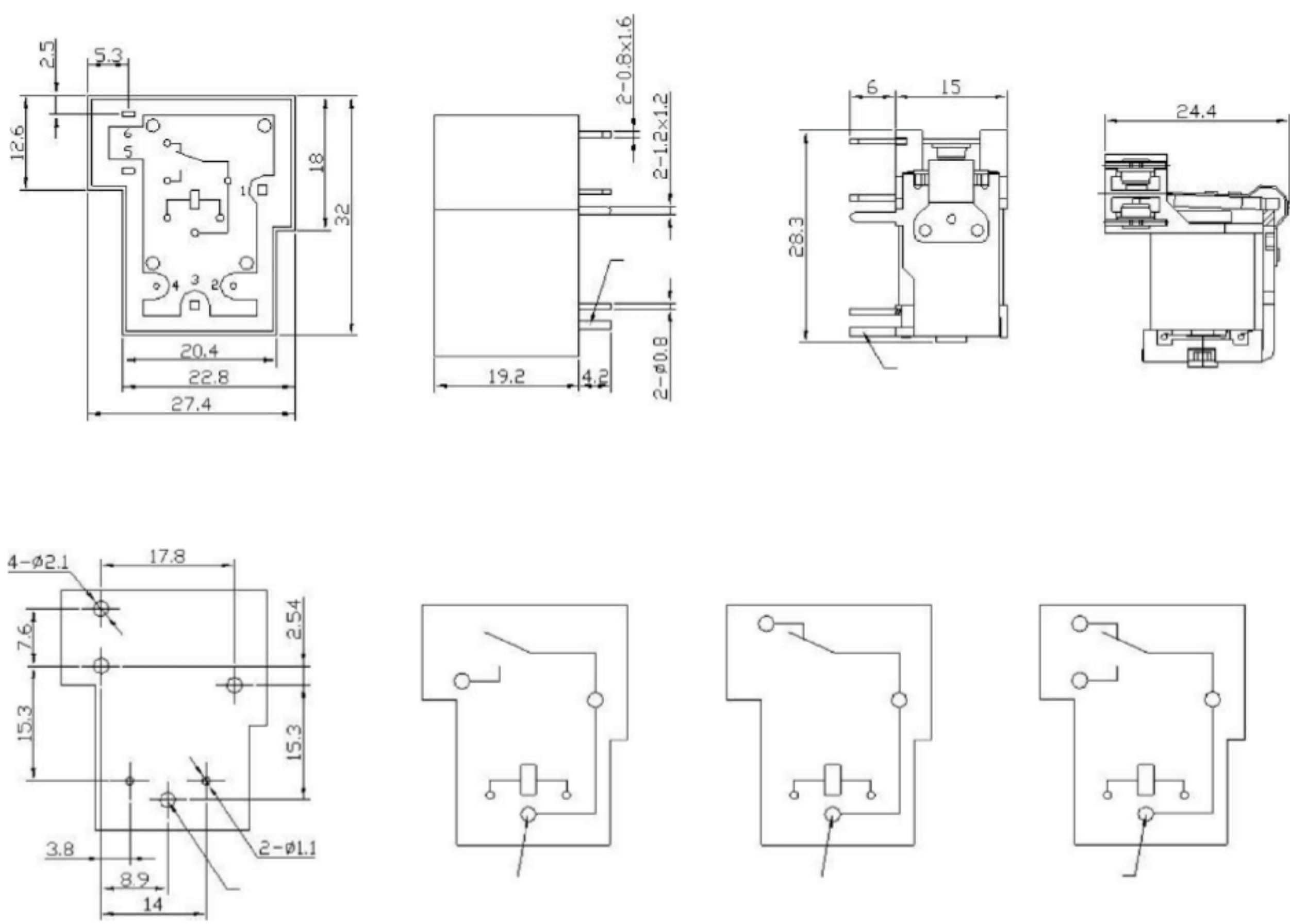
LM90

ORDERING INFORMATION

<u>LM90</u>	-	<u>S</u>	-	<u>1</u>	-	<u>12</u>	-	<u>D</u>	-	<u>M</u>	-	<u>XX</u>
Type	Construction		Contact arrangement	Coil voltage		Coil power		Contact Form		Special code		
LM90	S-Plastic sealed SH- Sealed		1	5-110VDC		D: 0.9W		None: NO/NC M: NO B: NC		Customer special requirement		

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT (Unit: mm)

Tolerance±0.3



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