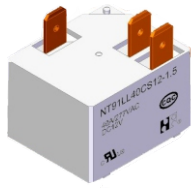


# NT91L (30A /40A)



32.4 × 27.5 × 29



32.4 × 27.5 × 20.5



13002104039



US E160644

**Features**

- Single and double coils magnet latching relay available.
- Switching capacity up to 40A.
- Energy saving and environmental friendly product.

**Ordering Information**

**NT91L L 30 C S 12 - 1.5 D**  
 1 2 3 4 5 6 7 8

1 Part number NT91L	5 Enclosure S: Sealed type E: Covered
2 High: H:Standard; L:Low profile type	6 Coil rated voltage(V) 5,12,24,48
3 Load 30A,40A/277VAC ,28VDC Resistive load ; 5000W 240VAC Incandescent Lamp 5A/280VAC Electronic ballast 2HP 277VAC Motor load	7 Coil power consumption 0.9:0.9W
4 Contact arrangement A:1A B:1B C:1C	8 Coil NIL:Singal coil; D: Double coils

**Contact Data**

Contact Arrangement	1A SPSTNO 1B(SPSTNC) 1C(SPDT(B-M))	
Contact Material	AgSnO <sub>2</sub>	
Contact Rating	30A/277VAC,28VDC 5× 10 <sup>4</sup> ; 40A/277VAC, 28VDC 2× 10 <sup>4</sup> OPS Resistive load 5000W 240VAC 3× 10 <sup>4</sup> OPS Incandescent Lamp 5A/280VAC 6000 OPS Electronic ballast ; 2HP 250VAC 2× 10 <sup>4</sup> OPS Motor load	
Max. Switching Power	1200W 12000VA	
Max. Switching Voltage	110VDC 300VAC Max. Switching Current:40A	
Contact Resistance or Voltage drop	20m Item 4.12 of IEC 61810-7	
Operation life	Electrical	See contact rating Item 4.30 of IEC 61810-7
	Mechanical	10 <sup>6</sup> Item 4.31 of IEC 61810-7

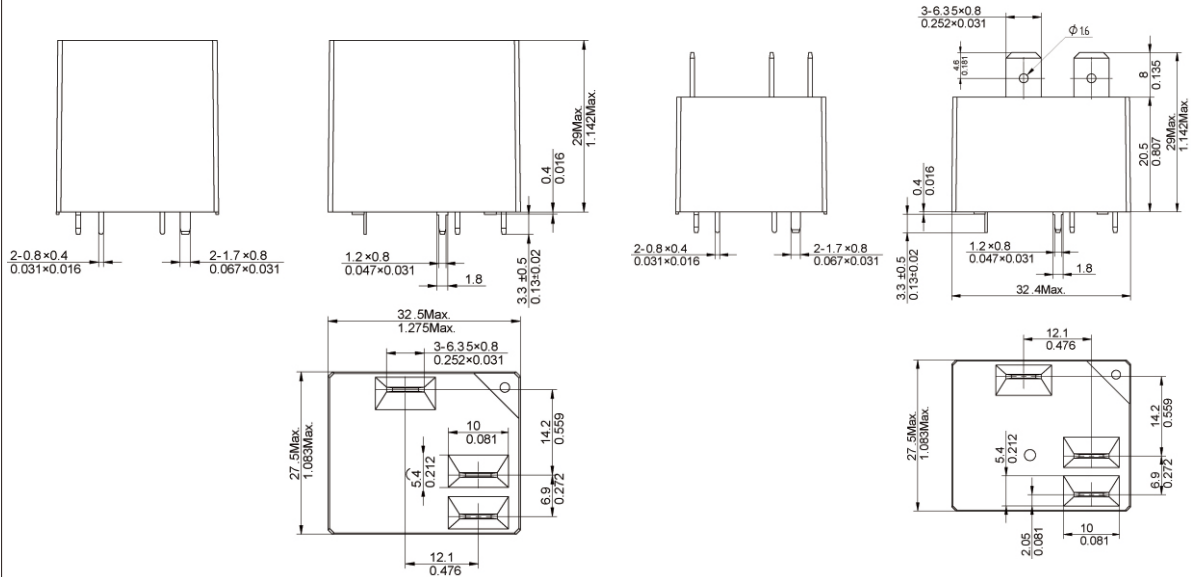
**Coil Parameter**

Single Coil Parameter								
Dash numbers	Rated voltage VDC	Coil resistance ± 10%	Switching voltage VDC (80%of rated voltage)	Operating voltage range VDC	Plus magnitude ms	Coil power	Operate Time ms	Reset Time ms
005-900	5	28	4	5-6	50	0.9W	15	15
012-900	12	160	9.6	12-14.4				
024-900	24	960	19.2	24-28.8				
048-900	48	2560	38.4	48-57.6				

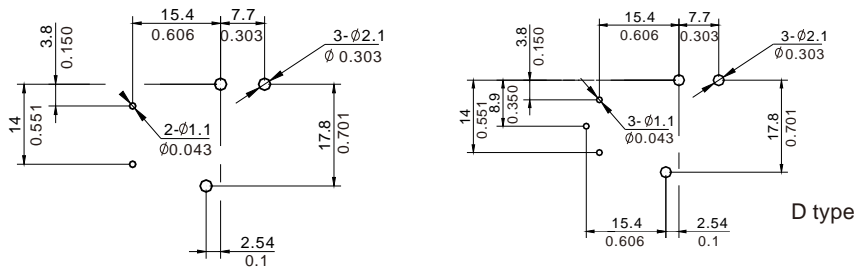


## Dimensions

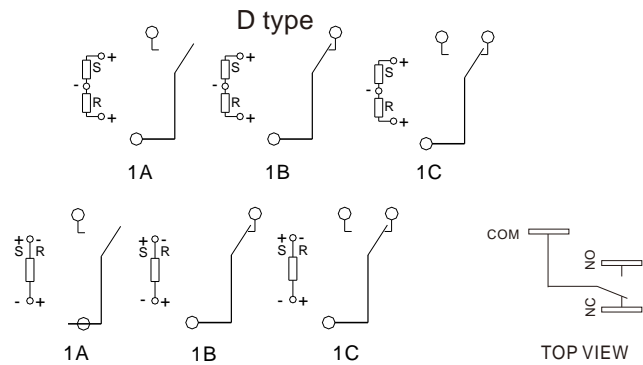
mm /inch



## Dimensions



## Mounting (Bottom view)



S:Set R:Reset  
Wiring diagram(Bottom view)  
Wiring diagram(Bottom view)

- NOTES 1).Dimensions are in millimeters.  
2).Inch equivalents are given for general information only.  
3).Relays shall have plus (+) or plus (-) and minus signs placed on the circuit diagram as shown.