



Features

- Miniature relay with high switching capability: 30A.
- Contact form: Form A, Form B or 1Form C.
- Protection quick connect terminal type available.

Safety Approval

UL, C-UL File No.: E190598
 TUV File No.: R50143450
 CQC File No.: CQC02001002109

Contact Capacity

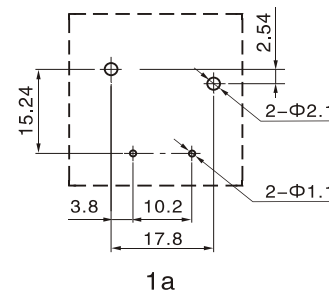
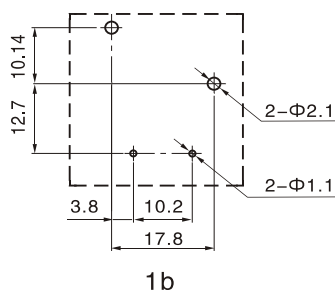
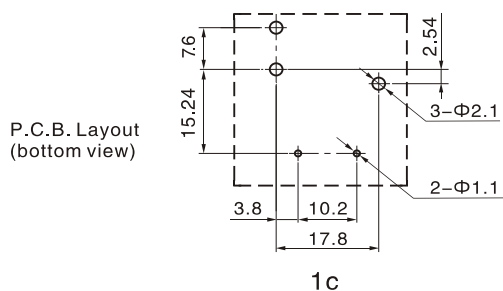
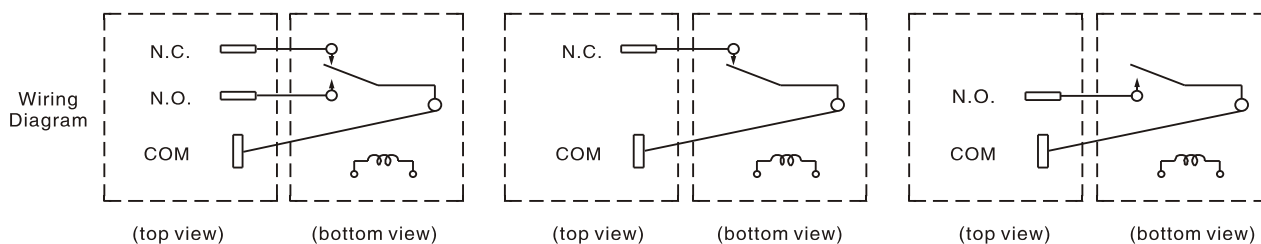
Model	SLC -DM	SLC -DB	SLC -D
Nominal switching capacity (res. load)	30A 250VAC	15A 250VAC	20A/10A 250VAC
Max. switching current	30A	15A	20A
Max. switching voltage	250VAC	250VAC	250VAC
Max. switching power	7,500VA	3,750VA	5,000VA

Charateristic Data

Contact material	Silver alloy	
Initial contact resistance (at 6VDC 1A)	50mΩ Max.	
Operate time (at nominal volt.)	15msec. Max.	
Release time (at nominal volt.)	10msec. Max.	
Initial insulation resistance	1,000MΩ Min.(DC500V)	
Initial dielectric strength	Between open contacts: AC1,500V, 50/60Hz 1Min.	
	Between coil and contact: AC2,500V, 50/60Hz 1Min.	
Vibration resistance	Functional	10 ~ 55Hz at double amplitude of 1.5 mm
	Destructive	10 ~ 55Hz at double amplitude of 1.5 mm
Shock resistance	Functional	10G Min.
	Destructive	100G Min.
Endurance (operations)	Mechanical (at 10,800 ops./h)	10,000,000
	Electrical (at 600 ops./h)	100,000
Ambient temperature	-40°C ~ +105°C (no condensation)	
Unit weight	Approx. 31.0 g	

Coil Data (at 20°C)

Nominal voltage (VDC)	Nominal operating current ± 10% (mA)	Coil resistance ± 10% (Ω)	Max. allowable voltage	Pick-up voltage (Max.)	Drop-out voltage (Min.)	Nominal operating power
5	180.00	27	110 % of nominal voltage	75% of nominal voltage	5 % of nominal voltage	Approx. 0.90W
6	150.00	40				
9	100.00	90				
12	75.00	160				
15	60.00	250				
18	50.00	360				
24	37.50	640				
48	18.75	2,560				
110	8.20	13,400				



Unless otherwise specified:
 If dimension < 1mm, tolerance: ±0.2mm;
 If dimension 1-5mm, tolerance: ±0.3mm;
 If dimension > 5mm, tolerance: ±0.4mm.
 Note: 1. Extended terminal dimension is dimension before soldering.
 2. Tolerance of P.C.B. Layout: ±0.1mm.

Typical Applications

- Car
- Air conditioner
- Heater and ventilation equipment
- Home appliances

Characteristic Curves

