

PLT1A20DC24-5261**PLT1B20DC24-5261****20 Amp**

CUL US
File No.:E75887

**CONTACT RATINGS**

Contact Arrangement	1A, 1B
Contact Resistance	$\leq 100\text{m}\Omega$ (1A 24VDC)
Contact Material	AgSnIn
Contact Rating(Resistive)	NO:20A/277VAC, NC:16A/125VAC
Max. Switching Voltage	400VAC
Max. Switching Current	20A
Max. Switching Power	5540VA
Mechanical Life	1×10^7 operations
Electrical Life	1.5×10^4 operations

ORDERING INFORMATION

Model	PLT	1A	20	DC24	-	1	-	5261
Contact Arrangement:								
1A=1 Form A, 1B=1 Form B								
Contact Rating:20=20A								
Coil Voltage								
1:Dust Cover Type 2:Flux Free Type Nil:Sealed Type								
Customer Code								

CHARACTERISTICS

Insulation Resistance		100MΩ (at 500VDC)
Dielectric Strength	Between coil & contacts	2500VAC 1min
	Between open contacts	1000VAC 1min
Surge voltage(between coil & contacts)		6kV(1.2×50μs)
Operate time (at nomi. volt.)		≤10ms
Release time (at nomi. volt.)		≤5ms
Humidity		5% ~ 98% RH
Ambient temperature		-40°C~85°C
Shock Resistance	Functional	98m/s²
	Destructive	980m/s²
Vibration resistance		10Hz to 55Hz 1.5mm DA
Unit weight		Approx. 14g
Construction		Sealed Type, Flux Free Type, Dust Cover Type

Notes: The data shown above are initial values.

COIL DATAat 25 $^{\circ}\text{C}$

Nominal Voltage VDC	Pick-up Voltage (Max.) VDC	Drop-out Voltage (Min.) VDC	Max. Allowable Voltage VDC	Coil Resistance $\Omega \pm 10\%$
24	18.00	2.4	31.2	1600

COIL

Coil Power	360mW
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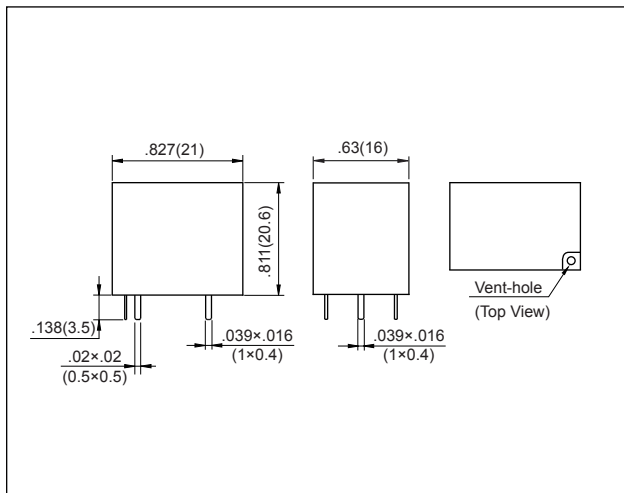
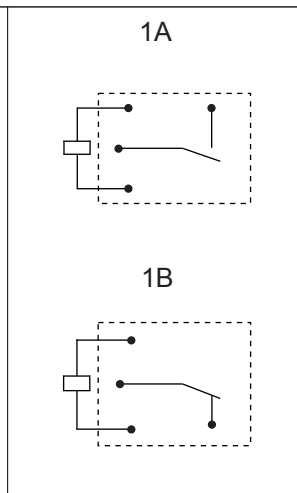
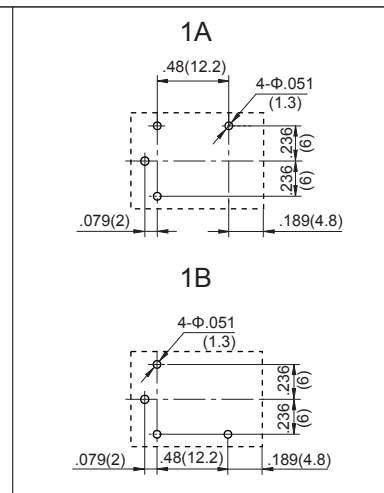
PLT1A20DC24-5261**PLT1B20DC24-5261****20 Amp****SAFETY APPROVAL RATINGS**

UL&CUL		
LOAD	NO	NC
GP	20A/120-277VAC	16A/120VAC
Tungsten	1000W 120/277VAC 15K Cycles 70°C	1000W 120/277VAC 15K Cycles 70°C
Standard Ballast	1800VA 120/277VAC	1800VA 120/277VAC
Electronic Ballast	8A/120VAC 5A/277VAC	8A/120VAC 5A/277VAC

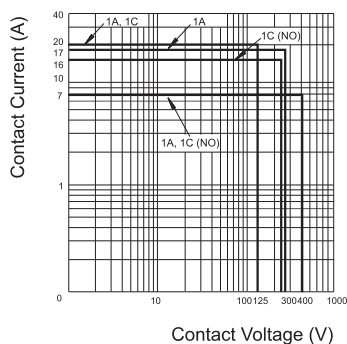
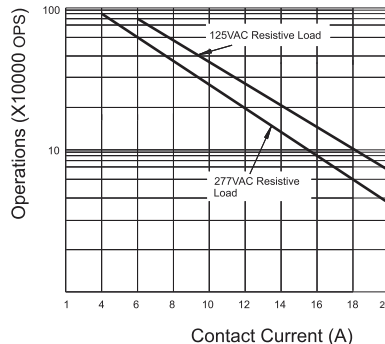
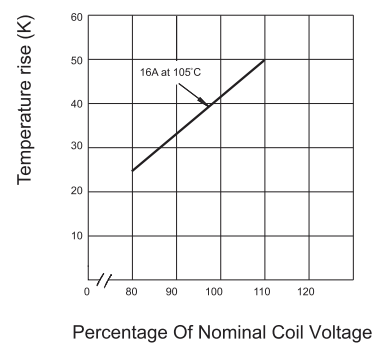
TüV	NO	16A/250VAC; 50/60Hz
	NC	10A/250VAC; 50/60Hz

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT.

Unit: inch(mm)

Outline Dimensions**Wiring Diagram
(Bottom view)****PCB Layout
(Bottom view)**

Remark: 1) In case of no tolerance shown in outline dimension: outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$; outline dimension $> 1\text{mm}$ and $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$; outline dimension $> 5\text{mm}$, tolerance should be $\pm 0.4\text{mm}$.
2) The tolerance without indicating for PCB layout is always $\pm 0.1\text{mm}$.

CHARACTERISTIC CURVES**MAX. SWITCHING POWER****ENDURANCE CURVE (N.O.)****COIL TEMPERATURE RISE**

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