

# Relay Selection Criteria .



## Coil Information:

1. a. Nominal Op. Voltage: ----- V  
b. Pull-In Voltage: ----- V  
c. Drop-out Voltage ----- V  
d. Min. Hold Voltage ----- V  
e Max. Voltage ----- V
2. a. Operating Current: ----- mA  
b. Pull-In Current: ----- mA  
c. Max. Current ----- mA
3. Coil Resistance: ----- Ohm
4. Other Coil Operating Conditions: -----  
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## Contact Configuration:

5. Contact Form and Number: -----  
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6. Contact Ratings:
  - a. Voltage: min. ----- Vmax. ----- V
  - b. Voltage: min. ----- mA max. ----- A
  - c. Max. Power Capacity: ----- VA/W
  - d. Making/Breaking Capacity: ----- VA/W
  - e. Contact Resistance (new): ----- mOhm
7. Load Characteristics:
  - a. DC / AC (50 / 60 Hz)
  - b. Resistive; Inductive; Capacitive -----  
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  - c. Power Factor; Time Constant; Capacitive Value -----  
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  - d. Load Wiring Diagram / Contact Circuit
8. Switching Frequency: ----- Cycles/Sec
9. Service Life with Indicated Load:
  - a. Electrical Inductance: ----- Cycles
  - b. Mechanical Inductance: ----- Cycles

10. Are contacts making/breaking load current (arcing?) Or, is load current passed to contacts after making/breaking process is completed? ----  
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11. Response Time
  - a. Pull-In Time: ----- mSec
  - b. Drop-out time: ----- mSec
  - c. Bounce Time: ----- mSec
12. QMS Test Procedure: -----  
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13. Contact Failure Rate: -----  
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14. Expected Approvals (i.e. UL, CSA, TUV, etc.).  
Any other expected third party approval? -----  
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## Ambient Operating conditions:

15. Ambient Temperature:  
min. ----- °C; max. ----- °C;
16. Vibration Resistance : ----- g  
(Amplitude): ----- Hz
17. Shock Resistance : ----- g  
(Stroke): ----- mSec
18. Standards Considered for Vibration and Shock Tests: -----  
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19. Pass / Fail Conditions: -----  
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20. Application Description: -----  
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21. Notes and Wiring Diagram:

1. Relay Type Designation – Part Number -----  
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