



P.C.B. LAYOUT

|       |       |      |      |      |      |      |       |      |      |      |      |      |
|-------|-------|------|------|------|------|------|-------|------|------|------|------|------|
| Poles | 04    | 06   | 08   | 10   | 12   | 14   | 16    | 18   | 20   | 22   | 24   | 26   |
| Dim L | 8.5   | 12.0 | 15.5 | 19.0 | 22.5 | 26.0 | 29.5  | 33.0 | 36.5 | 40.0 | 43.5 | 47.0 |
| Dim B | 3.50  | 7.00 | 10.5 | 14.0 | 17.5 | 21.0 | 24.5  | 28.0 | 31.5 | 35.0 | 38.5 | 42.0 |
| TOL   | ±0.15 |      |      |      |      |      | ±0.20 |      |      |      |      |      |
| Poles | 28    | 30   | 32   | 34   | 36   | 38   | 40    | 42   | 44   | 46   | 48   |      |
| Dim L | 50.5  | 54.0 | 57.5 | 61.0 | 64.5 | 68.0 | 71.5  | 75.0 | 78.5 | 82.0 | 85.5 |      |
| Dim B | 45.5  | 49.0 | 52.5 | 56.0 | 59.5 | 63.0 | 66.5  | 70.0 | 73.5 | 77.0 | 80.5 |      |
| TOL   | ±0.25 |      |      |      |      |      | ±0.30 |      |      |      |      |      |

| SIGN | DATE       | DESCRIPTION  | APPROVER |
|------|------------|--|----------|
| △    | 2009.6.08  | Add UL standard  | Jacke    |
| △    | 2009.6.08  | The current rating and operating temperature are changed | Jacke    |
| △    | 2009.6.08  | Corrected dimension △ from 2.3mm to 2.5mm                | Jacke    |
| △    | 2010.01.22 | The demension is changed from 1.60mm to 1.10mm           | Jacke    |
| △    | 2010.01.22 | The demension is changed from 0.40mm to 0.20~0.30mm      | Jacke    |
| △    | 2010.03.31 | The material is changed from Brass to Copper             | Jacke    |
| △    | 2010.04.01 | The design is changed                                    | Jacke    |

THIS IS CAD DRAWING, DO NOT REVISE MANUALLY!!!

Material

- △ ● Item (a) Short contact pin: Copper Tin plated
- Item (b) Long contact pin : Copper Tin plated
- Item (c) Terminal (housing): Thermoplastic (UL94V-0)
- Item (d) Terminal (cover): Thermoplastic (UL94V-0)

Electrical

- Voltage rating: 300VAC
- △ ● Current rating: 8A
- Wire range:
- Solid wire(AWG):
- Stranded wire(AWG):
- Withstanding Voltage: 1.6KV
- Operating temperature: -40°C to +115°C
- △ ● Soldering temperature: 250°C±10°C/5 Sec
- △ ● Safety Approval: us

VL xx 1 3 x 1 xxxx G

POLES  
04 2x2 CONTACTS  
06 2x3 CONTACTS  
...  
48 2x24 CONTACTS

COLOR  
0 Black (RAL9005)  
2 Red (RAL3001/D)  
3 Orange(RAL2011/P)  
4 Yellow(RAL1018/A)  
5 Green(RAL6018/T)  
6 Blue (RAL5015/A)  
8 Grey(RAL7035/D)

G: Pb<40000ppm  
000 0 "@ logo  
000 A "ANY" logo  
Any special item by  
customer request,  
please contact sales  
department.

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|          |  |                                       |  |            |  |       |         |              |         |            |  |  |
|----------|--|---------------------------------------|--|------------|--|-------|---------|--------------|---------|------------|--|--|
| TITLE    |  | VL-3.5mm Right -Angle Series "B Type" |  |            |  |       |         |              |         |            |  |  |
| PART NO. |  | VLxx13x1xxxxG                         |  |            |  |       | DWG NO. |              | 8VL0402 |            |  |  |
| APPROVED |  | CHECKED                               |  | DESIGNED   |  | DRAWN |         | CUST NO.     |         | Tolerance  |  |  |
|          |  | Jacke                                 |  | Jacke      |  |       |         |              |         | X. ±0.50   |  |  |
|          |  | 2010.03.31                            |  | 2010.01.22 |  |       |         |              |         | X.X ±0.30  |  |  |
|          |  |                                       |  |            |  |       |         |              |         | X.XX ±0.10 |  |  |
|          |  |                                       |  |            |  |       |         |              |         | X° ±1°     |  |  |
|          |  |                                       |  |            |  |       |         | SHEET: 01/01 |         | REV.: D    |  |  |