

## Technical Specifications

### Product Description: DT50 Series, Serial to Bluetooth Classic Network Gateway with I/O

#### Voltage/Current

Input voltage: via DB9 Serial +5 - +15 VDC  
Via I/O Connector +9- +30VDC  
Input current: 100mA max, 50mA typical

#### Serial Channel

Electrical: RS232, RS485 (RS422 optional)  
Hardware Flow Control: None, RS232 CTS/RTS  
Baud Rate: Max 1 Mbps

#### Digital I/O

Channels: 2 DI, 2 DO  
Polarity: Sinking or Sourcing  
Voltage: +5 to +40VDC  
Current: Digital Outputs 100mA Max

#### Environmental/Mechanical

Operating Temperature: -20 C- +70 C  
Weight: 3.2 oz  
Dimensions: 70.0mm x 88.8mm W x 41.1mm H (internal antenna)  
Mounting: Panel mountable, Desk mountable

#### Approvals

RoHS, Europe (ETSI R&TTE),US (FCC/CFR 47 part 15 unlicensed modular transmitter approval), Canada (IC RSS),Japan (MIC - formerly TELEC),R&TTE Directive 1999/5/EC:Effective use of frequency spectrum: EN 300 328

EMC: EN 301 489-1, EN 301 489-17, EN 61000-6-2

Health and safety: EN 62479,EN 60950-1, IEC 60950-1

Medical Electrical Equipment: IEC 60601-1-2

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#### Bluetooth

Bluetooth: version 2.1, 4.0  
Range: 250m (internal antenna line of sight)  
300m (external antenna line of sight)  
Output Power: 11 dBm, internal antenna  
13dBm, external antenna  
Profiles: SPP, DUN, PAN  
Slaves: 7 maximum  
Android Support: Yes

## Terminal Block Connections

The terminal block connector on the DT50 utilizes a spring pressure termination. This makes wire connections easy and reliable while eliminating loose connections due to shock, vibration, or temperature fluctuations. The terminal connections can be opened for wire insertion with a screw driver as shown in figure 1.

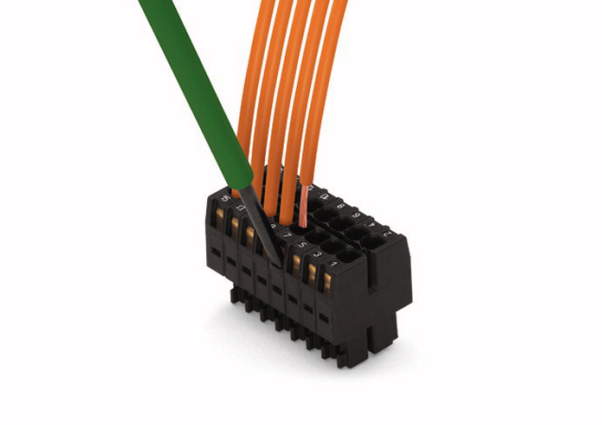


Figure 1