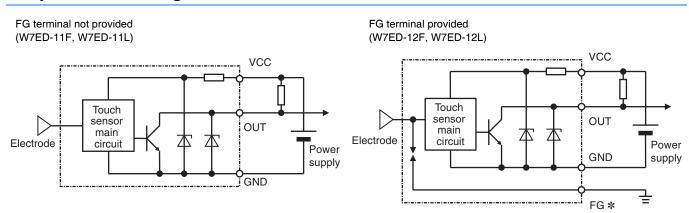
Ratings and Specifications

Detected capacitance *	25 ± 5 pF	
Power supply voltage	5 VDC (-10%) to 15 VDC (+10%)	
Output	Open collector (max. output current: 10 mA)	
Residual output voltage	0.4 V max.	
Operation mode	When detecting capacitance (human touch detected): Output transistor ON When not detecting capacitance (no human touch detected): Output transistor OFF	
Current consumption	10 mA max.	
Voltage influence	With rated supply voltage within a range of $\pm 10\%$ and a rate of change for detected capacitance within $\pm 10\%$ when powered using the rated supply voltage	
Temperature influence	Within an ambient temperature range when operating and a rate of change for detected capacitance within $\pm 10\%$ at $\pm 23\%$ C	
Ambient temperature	When in use: -10 to 60°C (no icing or condensation) When in storage: -20 to 70°C (no icing or condensation)	
Ambient humidity	25 to 85%RH	

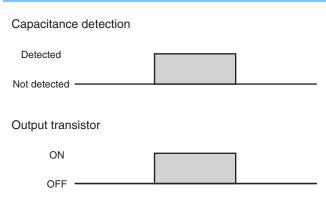
^{* &}quot;Detected capacitance" refers to the detected capacitance value when capacitance is applied between the electrode and the ground terminal of the touch sensor circuit.

Output Circuit Diagram



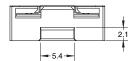
*We recommend connecting the FG terminal to a stable potential on the device's frame ground.

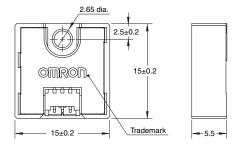
Operation Chart

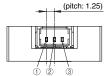


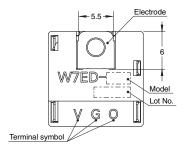
Dimensions (Unit: mm)

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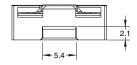
Note: 1. Details of connector terminal symbols are shown below.

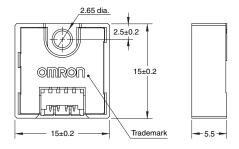
Connector terminal No.	Terminal symbol	Name
1	0	Output (OUT)
2	G	Ground (GND)
3	V	Power supply (VCC)

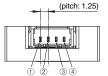
- 2. Compatible housings for connector include 51021-03 series models from Molex.
- 3. The Lot No. is 4-digit number located at the position
- indicated in the figure.

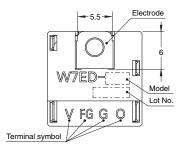
 *Tolerance class IT16 applies to dimensions in this datasheet unless otherwise specified.

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Note: 1. Details of connector terminal symbols are shown below.

Connector terminal No.	Terminal symbol	Name
1	0	Output (OUT)
2	G	Ground (GND)
3	FG	Frame ground (FG)
4	V	Power supply (VCC)

- 2. Compatible housings for connector include 51021-04 series models from Molex.
- 3. The Lot No. is 4-digit number located at the position indicated in the figure.
- *Tolerance class IT16 applies to dimensions in this datasheet unless otherwise specified.