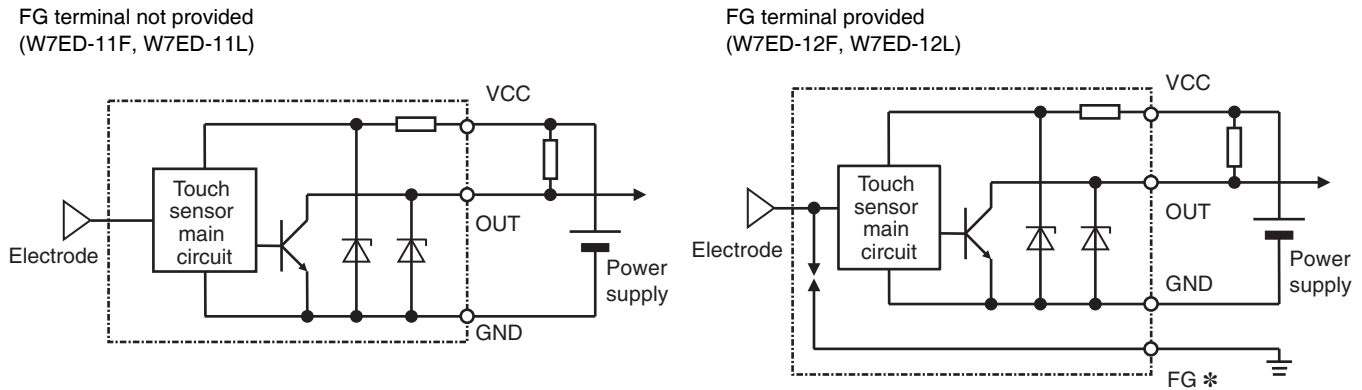


Ratings and Specifications

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 ±10% and a rate of change for detected capacitance within ±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 ±10% at +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

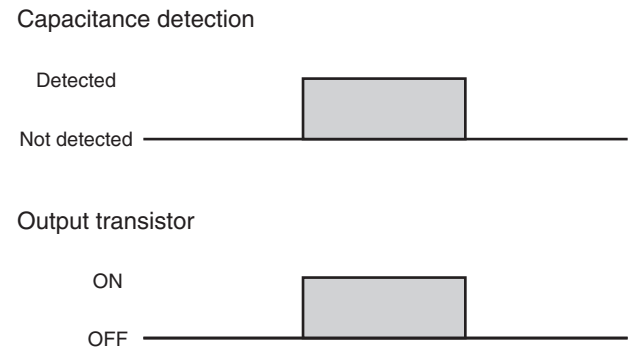
* "Detected capacitance" refers to the detected capacitance value when capacitance is applied between the electrode and the ground terminal of the touch sensor circuit.

Output Circuit Diagram



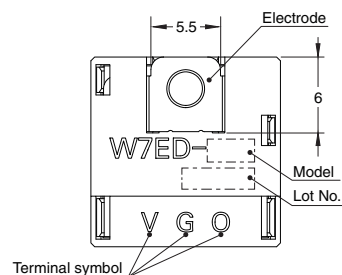
* We recommend connecting the FG terminal to a stable potential on the device's frame ground.

Operation Chart



Dimensions

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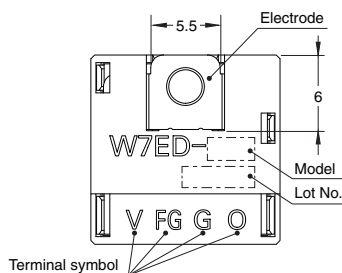
Note: 1. Details of connector terminal symbols are shown below.

Connector terminal No.	Terminal symbol	Name
1	O	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	O	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.