

To: \_\_\_\_\_

## Specification Document

### Position Detecting Type Break Detection Terminal ZT-L2

Date : (                    )

<Manufacturer >

System Equipment Division  
Electronic Materials & System Equipment Group  
TATSUTA Electric Wire & Cable Co., Ltd.

System Equipment Division		
Approved by:	Checked by:	Prepared by:

## <<<Important safety instructions>>>



### **Warning**

If you handle wrong to ignore the following, it is possible that you are seriously injured. Also it is possible that those are cause of fire, electrical shock, and any troubles.



#### **Strict prohibition**

- Please do not use the disconnection detection terminal instead of an electric wire.



#### **Attention**

- When you use the sensor, please look at the handling explanation on the sensor case back.
- Do not install sensor where a large quantity of dew generates.
- Press the sensor closely to the surface. Partial gap between the sensor and horizontal surface should be less than 2mm in length. The gap between the sensor and a vertical surface, such as pillar and girder, should be less than 1mm in length.
- Two electrodes are twisted in the sensor to minimize the influence of external electromagnetic induction. However, avoid parallel installation of the sensor with power cables for a long distance.
- Where the sensor crosses power cables with 300V or more, separate the sensor completely from the cables with an insulating wall (such as plastic sheet, etc.).
- After detecting water leakage, the sensor recovers its function when it becomes dry. If conductive substance is contained in the leaked water, however, some sensor may not recover their functions. Such sensor should be renewed. Install the sensor so as to be replaced in future.
- Use AC power supply for detector. Water leakage detector use AC power supply to protect the sensor electrodes from electrolytic corrosion. (Our detector systems are all for AC power.)
- If oil-containing material adheres to the sensor, water may be repelled. Thus water leakage cannot be detected.

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1. Scope of application

The specification document is applicable for the break detection terminal (ZT-L2) of position detection type sensor.

2. Construction

The construction of the ZT-L2 is shown in Figure 1. (unit:mm)

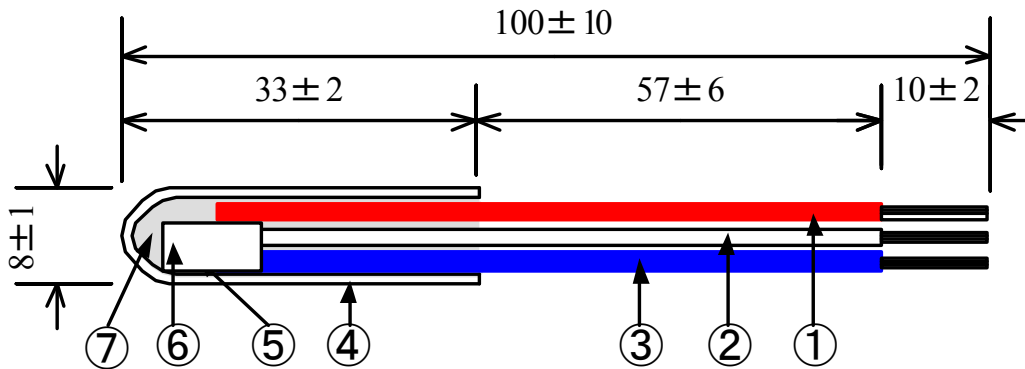


Fig.1 Schematic Diagram of ZT-L2 (terminal protective sleeve section)

3. Specifications

The specifications of the ZT-L2 is shown in Figure 1.

Table 1. Specifications

Item	Specification	RoHS compliant	
Components used	core wire (red)	PVC heat-resistant wire UL1015LF 22AWG RED	○
	core wire (white)	PVC heat-resistant wire UL1015LF 22AWG WHITE	○
	core wire (blue)	PVC heat-resistant wire UL1015LF 22AWG BLUE	○
	PVC terminal protective sleeve	PVC terminal protective sleeve laminate	○
	at the crimping	split joint (2mm)	○
	Tube	Constricted tube	○
	Filling material	De-acetonized RTV rubber SHIN-ETSU HANTOTAI KE347T	○
Heat resistance	60°C max. for continuous operation		
Weight	3.7g±0.8g		