

NTC thermistor for temperature measurement
Sensor, Probe assembly

Pipe-mounted type

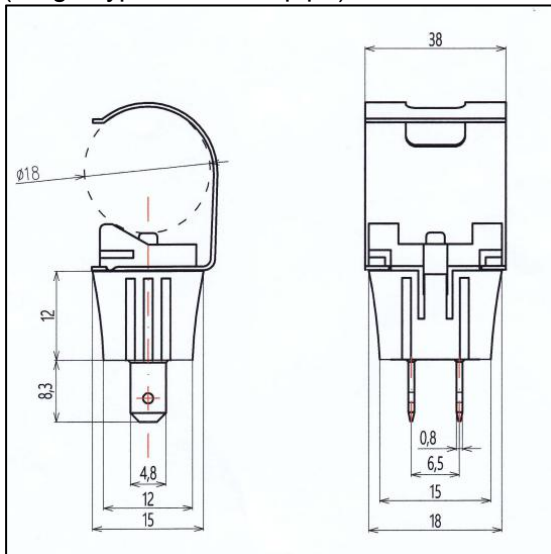
Applications

Temperature measurement for boiler / water heater

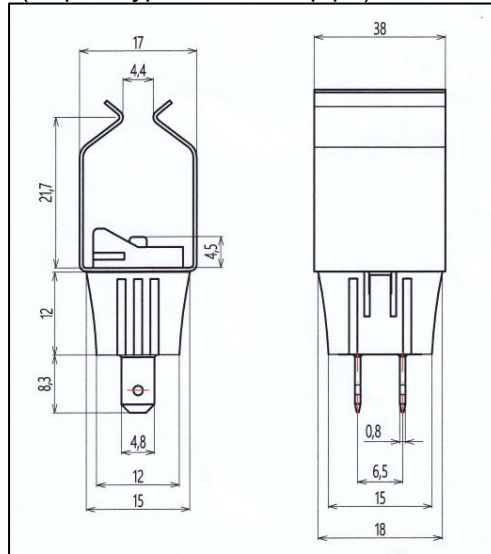


Configuration

(Single type for 18mm pipe)



(Duplex type for 18mm pipe)



(Unit: mm)

Features

- High stability : Durable design and construction with high accuracy and fast response
- Cost benefit : Enjoy good cost benefit with lower price compared to standard immersion type
Insulation coating of glass and lead wire
- Type : Single and duplex types available
- Size : 12-18 mm size available for mounting on corresponding size of pipe
- Element : Shibaura's PSB type NTC thermistor elements available
- OEM services : Customized design accepted
- IP level : IP54

Specifications

Temperature range			-30 to 120	°C
Accuracy	(at 25 °C)		< 1	°C (optional)
Response time	(on surface)	T	≤ 3	s
Withstand voltage			1800	V AC(for 3 s)
Insulation resistance	(500V DC)		100 or more	MΩ

Resistance-Temperature characteristics and contact dimensions

Resistance value	B value	Contact dimensions
10 kOhm +/-1% (25 °C)	3435 K +/-2% (25 °C and 85 °C)	4.8 x 0.8 mm