

F03-20T Omron 2-Pole 10VDC Liquid Leakage Sensor Terminator Datasheet



SKU: [972803504511](#)

Category: Relays & Contactors

Price: **\$69.29**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/f03-20t-omron-2-pole-10vdc-liquid-leakage-sensor-terminator>

Product Description

Omron F03-20T 2-pole sensor terminator features a 10 VDC maximum detection signal, 1 W maximum power consumption, and supports up to 400 m maximum wiring distance. Engineered for integration with liquid leakage sensor amplifiers, this component utilizes an inter-electrode resistance detection method to ensure stable operation. The terminator is constructed to facilitate disconnection detection by maintaining a closed loop at the end of a sensing band, allowing the main amplifier to monitor circuit integrity. It operates in conjunction with 3-conductor VCT cables and features a compact form factor designed for panel space optimization.

F03-20T Specifications

Model: F03-20T

Brand: Omron

Product Category: Sensor Terminator / Fixed Terminal Block

Number of Poles: 2-Pole

Detection Signal Voltage: 10 VDC Max

Detection Signal Duration: 200 ms

Maximum Detection Time: 10 s Max

Maximum Wiring Distance: 400 m (Total cable and sensing band)

Compatible Amplifiers: K7L-AT50D, K7L-UD

Compatible Sensing Bands: F03-16PE, F03-16PT, F03-15, F03-16PS

Operating Temperature: -10 to 55 °C

Operating Humidity: 45% to 85% RH

Insulation Resistance: 10 MΩ at 100 VDC

Dielectric Strength: 1000 VAC at 50/60 Hz for 1 min

Power Consumption: 1 W Max

Response Time (Operate): 800 ms Max

Response Time (Release): 800 ms Max

Weight: 1.45 oz

F03-20T Applications

Primary applications include integration into industrial chemical processing plants, semiconductor manufacturing cleanrooms, and automated water management systems. Deployed within floatless level controller circuits and liquid leakage detection networks to provide continuous wire break monitoring across long-distance sensing bands.

Supplemental Images

