SPLIT-CORE AC/DC CURRENT TRANSDUCER

JM21XH-XXX-XXX Series

Split-core current transducer for the electronic measurement of DC or AC waveform currents, with galvanic isolation between the primary circuit (power) and the secondary circuit (measurement). 0-5V DC, 0-10V DC, 4-20mA DC output proportional to the RMS value of the primary current.

MAIN CHARACTERISTICS
- Current transformer and RMS circuit in a single case
- Choice of primary current ranges: 5 to 250A
- Choice of standard output types: 4-20mA, 0-5V or 0-10V
- Accuracy: <2% of nominal primary current
- Bandwidth: 50/60 Hz

APPLICATIONS
- Automation and Supervision
- Safety and Condition Monitoring
- HVAC & Pumps
- Refrigeration
- Small Industrial Motors
- Fans
- Lighting

FEATURES
- Self-powered and loop-powered versions
- Operating range: -20°C to +60°C
- Isolation test voltage: 3.5kV RMS / 50Hz / 1min
- Sensing aperture: 21mm (for non-contact measurement)
- UL94-V0 recognized materials

ADVANTAGES
- High isolation between primary and secondary circuits
- Compact case
- Cost-effective solution
- Easy installation

SPECIFICATION

<table>
<thead>
<tr>
<th>Model</th>
<th>Output</th>
<th>Electrical Data</th>
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<tbody>
<tr>
<td>JM21XH-XXX-V</td>
<td>0-5V DC</td>
<td>Output Impedance 5.8kΩ (Self Power) &amp; Average output</td>
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<tr>
<td>JM21XH-XXX-RMS</td>
<td>4-20mA DC</td>
<td>4-20mA DC (RMS)/0–Rated Current (Load resistance: ≤ 600Ω at P/S: 24V)</td>
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DIMENSIONS (UNIT : MM)

ACCESSORY OPTION

DIN RAIL MOUNTING
Mount the bracket on the rail and install current transformer

PANEL MOUNTING
Tighten screws on the hole to mount bracket and install current transformer

Optional lead wires
Black & White or Brown & Yellow colors of UL1015#18

AC (INPUT) ➔ DC (OUTPUT)