

Model: CSI 200-5/400-U4512-U4572
COSD: xxxx
Summary description: 200VA Industrial Quality Sine Wave Inverter
 110Vdc to 400Vac/50Hz

Customer Name: Thiele KG/Germany (Preliminary)
Customer Part Number: Same as above



Not exactly as shown


Product description:

This rugged DC/AC inverter uses a microprocessor controlled field proven high frequency PWM technology to generate the required output power with pure sine wave output voltage. The inverter is built with two CSI 150-F2 internal modules. The unit has full electronic protection, high efficiency and low output noise. Cooling is by conduction via baseplate and by natural convection. The use of components with established reliability results in a high MTBF.

Special Features: Conformal coating,, 400Vac single phase output

SPECIFICATIONS

<p>Input Voltage 110Vdc nominal 90 – 130Vdc operating range Input current: 2.7A max</p> <p>Input Protection Inrush current limiting Varistor Reverse polarity protection Internal safety fuse Lower voltage than the specified minimum input will not damage the unit</p> <p>Isolation 1500Vdc input to chassis 3000Vdc input to output 2250Vdc output to chassis</p> <p>Standards Designed to meet EN 62368-1 and related standards</p> <p>EMI EN55032 Class A with margins</p> <p>Switching Frequency 55kHz ±5kHz for the input section</p> <hr/> <p>Output Voltage 400Vac/0.5Arms/50Hz 200W continuous Output is floating, either terminal can be grounded</p> <p>Output Wave Form Sinusoidal</p> <p>Total Harmonic Distortion Less than 5% at full load</p>	<p>Line/Load Regulation ±3% from no load to full load</p> <p>Load Crest Factor 2 at 90% load</p> <p>Output Noise High frequency ripple is better than 500mVrms (20MHz BW)</p> <p>Output Overload Protection Current limiting with short circuit protection. Thermal shutdown with automatic recovery in case of insufficient cooling</p> <p>Output Overvoltage Protection 440V by internal supply voltage limiting</p> <p>Efficiency 80% at full load</p> <p>Operating Temperature Range 0°C to +50°C</p> <p>Temperature Drift 0.05% per °C over operating temperature range</p> <p>Cooling Convection / conduction</p> <p>Environmental Protection Ruggedizing Conformal coating</p> <p>Shock/Vibration IEC61373 Cat 1 A&B</p>	<p>Humidity 5 – 95% non-condensing</p> <p>MTBF 130,000 hours at 45°C</p> <p>Control Input None</p> <p>Indicators None</p> <p>Alarm Output Not required</p> <p>Package/Dimensions (L x W x H) U4512 enclosure: 305 x 127 x 113mm (12" x 5" x 4.42") Mounting holes are clear</p> <p>Weight Approx 4kg (8.8lb.)</p> <p>Connections Barrier type terminal block with 3/8" spacing</p> <p>RoHS Compliance Compliant</p> <p>Warranty Two years subject to application within good engineering practice</p>
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Originated by TS/kv	Date Sept 26, 2023
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