

XENSIV™ magnetic current sensor TLI4971



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가상부스에 오신 걸 환영합니다!



XENSIV™ magnetic sensor TLI4971 for industrial applications

Products

Various tools available for design and production

- › 3-phase evaluation board "TLI4971 EVAL 120A" to test the current sensor for currents up to 120 A
- › Shield2Go to evaluate use of current sensor for currents up to 20 A
- › Productive Programmer @ CGS
 - ISCM Infineon TLI4971

Success stories

Enabling design-in

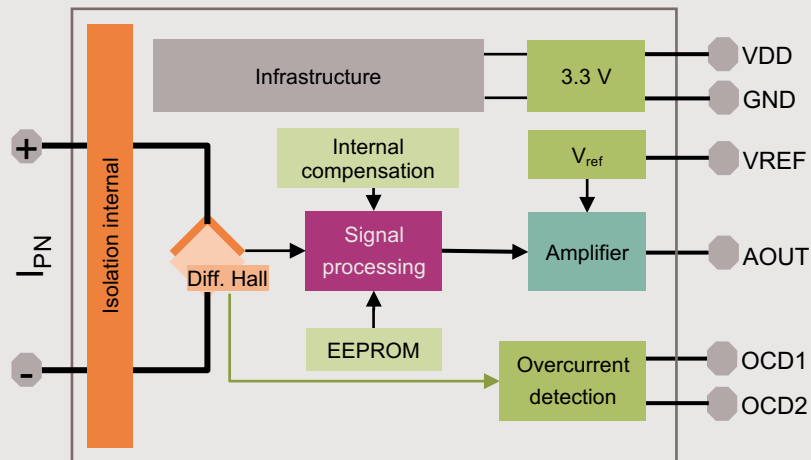
- › Low effort required to test current sensor
- › Current sensor can be customized with low effort during EOL testing

XENSIV™ magnetic sensor TLI4971 for industrial applications

Product characteristics

- › **Programmable** sensitivity and measurement range up to 120 A
- › Analog, **high-bandwidth** output (>120 kHz)
- › 2 programmable fast **overcurrent detection** outputs (OCDs)
- › **High accuracy** over temperature AND lifetime
- › **Superior linearity** and overload capability
- › **Additional variants** with higher sensitivity planned to be released E/2020

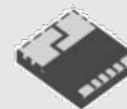
Block diagram



Package



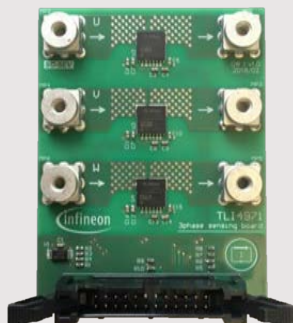
- › PG-TISON-8
- › $R_{PN} = 225 \mu\Omega$



Evaluation tools for current sensor TLI4971

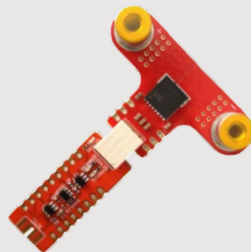
3-phase eval board

- › Evaluation board populated with three current sensors for easy evaluation of 3-phase inverter systems
- › Can be used as stand-alone board or in combination with programmer board



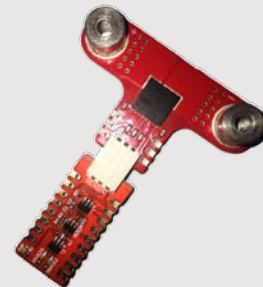
Shield2Go

- › Shield equipped with one current sensor
- › Shield2Go boards can be combined with Infineon XMC™ 2GO microcontroller board or any microcontroller evaluation boards on the market via adapters, e.g. with the Arduino UNO



MagneticShield2Go

- › Budget-priced evaluation board equipped with Infineon magnetic sensor and an ARM® Cortex™-M0 CPU
- › MS2GO kit is a complete evaluation set, including an on-board debugger



Productive programmer "ISCM – Infineon TLx497y" by CGS

Key features

- › Sensor interface for parallel programming of up to 3 sensors
- › Analog measuring channels to measure the sensor in three different output modes: single-ended, fully-differential, semi-differential

Contact @ CGS

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