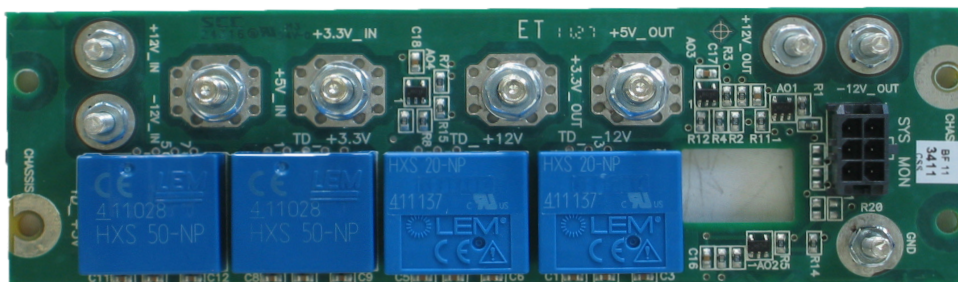


DESCRIPTION

With the ELMA Hall-Sensor Board 041-970 it is possible to monitor up to 4 different currents. For the current monitoring, four analogue inputs V5...V8 (VMEAS 2) of the ELMA System Monitor 3Gen can be used.



MAXIMUM MEASUREABLE CURRENTS

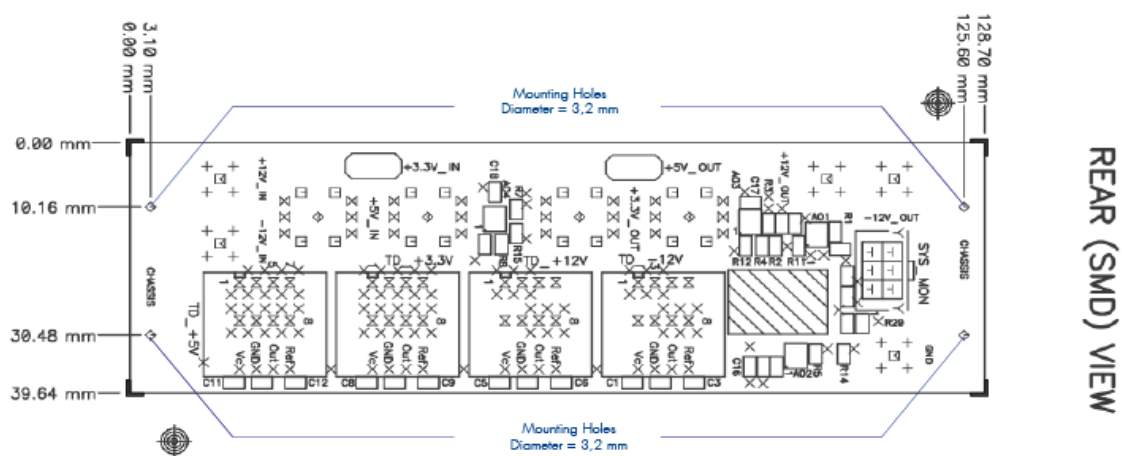
- 3.3 V input: 5.4 A – 90 A
- 5 V input: 5.4 A – 90 A
- +12 V input: 0.8 A – 10.6 A
- 12 V input: 0.8 A – 10.6 A

"SYS_MON" CONNECTOR

PIN	SIGNAL
1	IOut +5 V
2	IOut +3.3 V
3	IOut +12 V
4	IOut -12 V
5	VRef (2.5 V)
6	GND

SIGNAL DESCRIPTION

- IOut: Analogue output voltage (0.2V – 5V)
- VRef: Possibility, to connect an external reference voltage (2.5V). If no external reference will be used the internal reference of the Hall-Sensors is used.
- GND: Sysmon GND



SYSMON CONFIGURATION

- Up to 6 thresholds can be configured individually for each current
- Current monitoring parameters can be changed via the CLI or by upgrading the Sensor Data Records (SDRs)
- CLI Commands for the current monitoring: "current", "sensor"

For more information, see ELMA Sysmon3Gen User manual

SYSMON CONFIGURATION VIA “CONFIG TOOL”

The easiest way to configure the sysmon is the use of ELMA’s “Config-Tool”:

