

Product Information

CAN Compact Modules

Characteristics

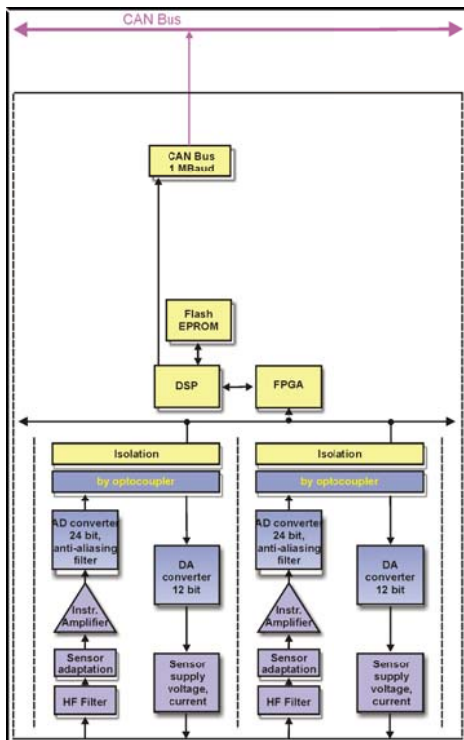
The SIQUAD *CAN Compact Modules* offer computer-controlled signal conditioning of various sensors. There are a universal or sensor-specific amplifiers available. It has 1 DSP per amplifier unit. Signal output is digital via CAN. Protocol is CAN 2.0B. Parameter setting is done with the software DaSoft via a USB-to-CAN interface. Signal filtering can be configured from 3..3000 Hz at 20 kS/s sample rate.



Technical Data

| | | |
|---------------------------|------------------|---|
| General | Accuracy | see sensors |
| | Channels/unit | 4, 2x4, isolated (8, 2x8, isolated inputs with common ground) |
| | AD converter | 24 bit / channel |
| | Sample rate | max. 20 kHz |
| | Band width | max. 5 kHz |
| | Digital output | CAN |
| | Input protection | ± 80 V, ESD IEC 1000-4-2 |
| | Supply voltage | 9..36 V DC |
| Thermo-couples J,K | Range | -100 to +100, +200, +500, +1000 (1200) °C |
| | Accuracy | ± 0.1 % (without CJC) |
| | Pt100 | Range |
| Accuracy | | ± 0.1 % |

Block Diagram (exemplary for 2 channels)



Dimensions

SCC1: 130 x 250 x 45 mm, 130 x 130 x 45 mm (WxHxD)
 SCC2: 130 x 250 x 75 mm, 130 x 130 x 75 mm (WxHxD)

Ordering Codes

SCC1 - 1. - 2. - 3.

| | |
|---|---------------------------------|
| 1. Sensor type with 1 amplifier unit | |
| TC4J | 4 channels Thermocouples type J |
| TC4K | 4 channels Thermocouples type K |
| TC8K | 8 channels Thermocouples type K |
| TC4T | 4 channels Thermocouples type T |
| PT100 4 | 4 channels Pt100 |
| 2. Terminal | |
| | Standard BNC, MTC, BB5 |
| 3. Housing type | |
| H | Box (standard) |
| L | Flange |
| T | Mounting rail |

SCC2 - 1. - 2.

| | |
|--|-----------------------------------|
| 1. Sensor type with 2 amplifier units | |
| TC4J | 2x4 channels Thermocouples type J |
| TC4K | 2x4 channels Thermocouples type K |
| TC8K | 2x8 channels Thermocouples type K |
| TC4T | 2x4 channels Thermocouples type T |
| 2. Housing type | |
| H | Box (standard) |
| L | Flange |
| T | Mounting rail |

SCC-KONF - 1. - 2.



| | |
|---------------------|---|
| 1. Interface | |
| X | USB-CAN Adapter for all CAN Modules with IXXAT driver |
| V | Vector driver |
| 2. Model | |
| DW | Windows software for parameterizing of modules |