

Product Information

CAN Compact Modules

Characteristics

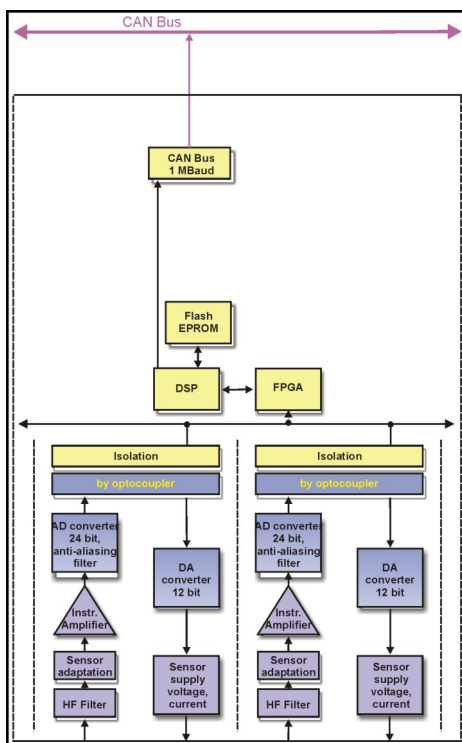
The SIQUAD **CAN Compact Modules** offer computer-controlled signal conditioning of various sensors. There are a universal or sensor-specific amplifiers available. It has 1 DSP per amplifier unit. Signal output is digital via CAN. Protocol is CAN 2.0B. Parameter setting is done with the software DaSoft 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	Environmental temperature	0..+50 °C
	Range	-100 to +100, +200, +500, +1000 (1200) °C
	Accuracy	± 0.1 % (without CJC)
Pt100	Range	-100 to +100, +200, +500, +1000 °C
	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

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