

CT-3234 4 channels analog input /0&4-20mA/15-bit single-ended

1 Module features

- ◆ The module supports 4-channel current signal acquisition.
- ◆ The module can be configured for 0-20mA or 4-20mA current signal acquisition.
- ◆ The module supports 2-wire (non-loop output, external power supply is required) or 4-wire current sensor input.
- ◆ The internal bus of the module and field input adopts magnetic insulation.
- ◆ The module input channel is connected to the field active analog signal current output sensor.
- ◆ The module channel equips with TVS overvoltage protection.

2 Technical parameters

General Parameters	
Power	Max.65mA@5.0VDC
Isolation	I/O to internal bus: magnetic isolation (2.5KVrms) Power isolation: DC-DC
Wiring	Max.: AWG 18 Min.: AWG 24
Installation	35mm DIN-Rail
Size	115*14*75mm
Weight	65g
Vibration Resistance	Comply with IEC 61131-2 and EC 60068-2-6
Impact resistance	Comply with IEC 61131-2 and IEC 60068-2-27
EMC Performance	Comply with IEC 61131-2 and IEC 61000-4
Environmental parameters	
Operating Temperature of Horizontal Installation	-35°C~70°C
Operating Temperature of Vertical Installation	-35°C~60°C
Relative Humidity	< 95%RH (No Condensation)
Storage Temperature	-40°C~85°C
Storage Humidity	< 95%RH (No Condensation)
Manufacturing Test Temperature	-40°C~75°C
Ingress Protection Rating	IP20
Input Parameters	
Channel Number	4 channels
LED Indicator	4 LED channel state indicators
Input Range	Maximum: 0 ~ 23.5 mA
Resolution Ratio	15 Bits
Acquisition Precision	±0.3% full range, @25°C
	±0.5% full range, @-20~70°C
Sampling Rate	6ms / 4 channels (filter level 0)
Data Format	16-bit signed integer

 WARNING

UNEXPECTED EQUIPMENT OPERATION

Do not exceed any of the ratings specified in the environmental and electrical characteristics table.

Failure to follow instructions specified by the manufacturer may result in serious consequences such as death, personal injury, or damage to equipment since the protection provided by the equipment may be impaired.

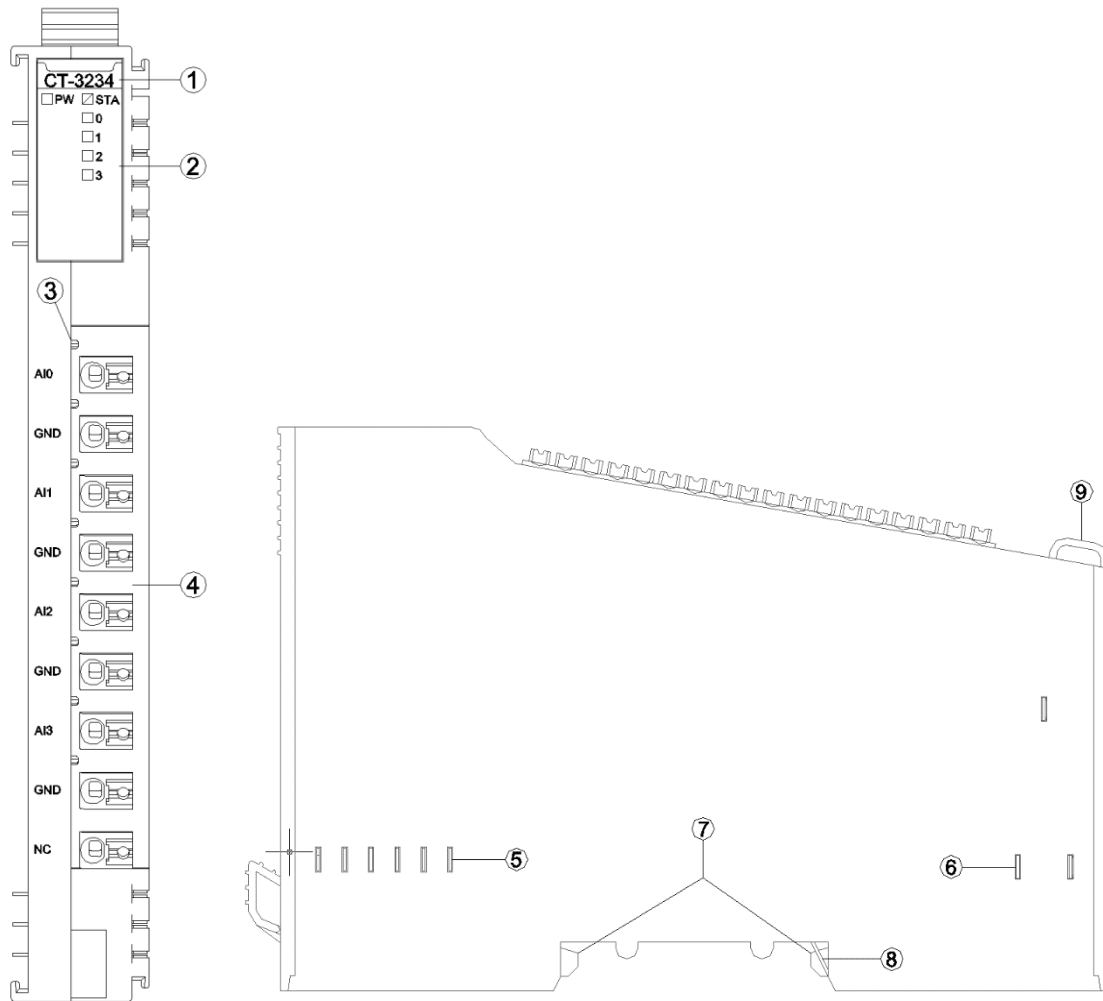
 AVERTISSEMENT

FONCTIONNEMENT INATTENDU DE L'EQUIPEMENT

Ne dépassez aucune évaluation spécifiée dans le tableau de caractéristiques environnementales et électriques.

Le fait de ne pas suivre les instructions peut entraîner une défaillance de la protection fournie par l'équipement, ce qui peut entraîner des conséquences graves, comme des blessures ou des dommages à l'équipement.

3 Hardware interface



- ① Module Type
- ② State indicator
- ③ N/A
- ④ Wiring Terminal and identification
- ⑤ Internal Bus
- ⑥ Field Power
- ⑦ Buckle
- ⑧ Grounding Spring Sheet
- ⑨ Fixed Wiring Harness