

# SINEAX VS46

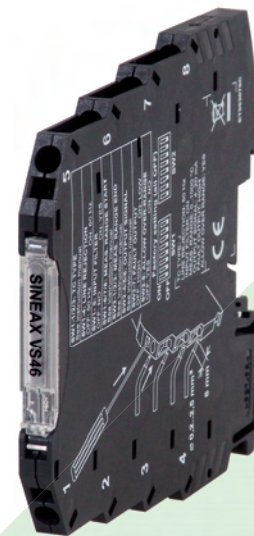
## Signal Converter

### Thermocouple converter



#### Features / Benefits

- Input: Thermocouples types: J, K, E, N, S, R, B, T
- Output: Current 0/4 ... 20, 20 ... 4/0 mA or voltage 0 ... 5/10, 10 ... 0 and 1 ... 5 V DC  
solid state relay (SSR) for thermostat / alarm function
- 3-way galvanic isolation
- Spring-cage clamp connection
- Power bridging terminal – DIN rail bus connector
- Small dimensions (6.2 x 93.1 x 102.5 mm)
- Resolution of 14 bit
- Accuracy class 0.1%



#### General Data

Power supply	19.2 ... 30 V DC
Accuracy	Class: 0.1% Cold junction error: 1.5 °C max.
Status indicators (LED)	Fault State of the auxiliary output
Galvanic isolation	Power supply / input / output at 1500 V AC, digital
Hot swapping	Yes
Power consumption	500 mW
A/D Converter	14 bit
Current output protection	Approximately 25 mA
Security output	102.5% of full scale value in case of over-range 105% of full scale value in case of improper functioning
Humidity	Up to 90% at + 40 °C (not condensing)
Housing	Terminal housing for mounting on 35 mm DIN 46277
Frequency filter	50 ... 60 Hz (settable)
DIP-Switch	– Input signals setup – Output signal setup
Processing	Floating point 32 bit
Dimensions	6,2 x 93,1 x 102,5 mm (w x h x d)
Weight	50 g
Operating temperature	– 20 ... + 65 °C

Connections	Spring cage clamp
IP Protection	IP 20
Conformity	CE

#### Input Data

Thermocouples	Types J, K, E, N, S, R, B, T Lower span: 100 °C Impedance: 10 MΩ
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#### Output Data

Current:	0 ... 20 mA, 4 ... 20 mA, 20 ... 0 mA and 20 ... 4 mA Higher load resistance: 500 Ω
Voltage	0 ... 5 V DC, 1 ... 5 V DC, 0 ... 10 V DC and 10 ... 0 V DC Lower load resistance: 2 kΩ
Relay output	Applicable voltage 24 V AC nominal Current: 60 mA max.

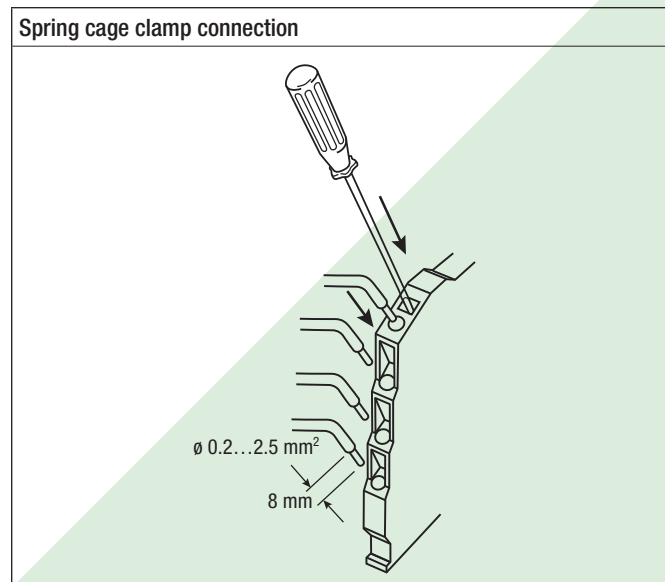
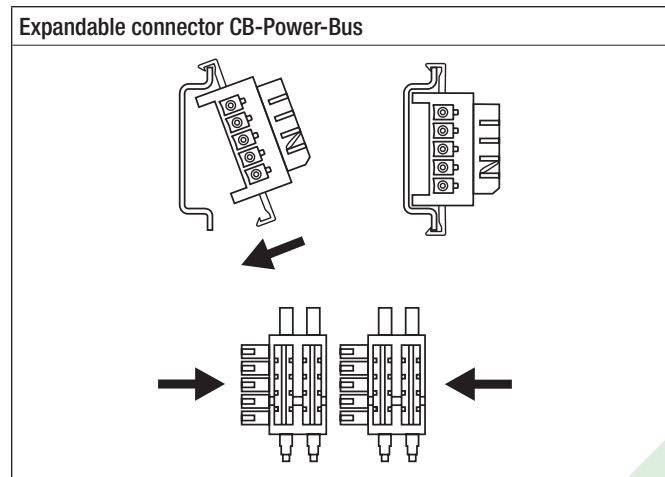
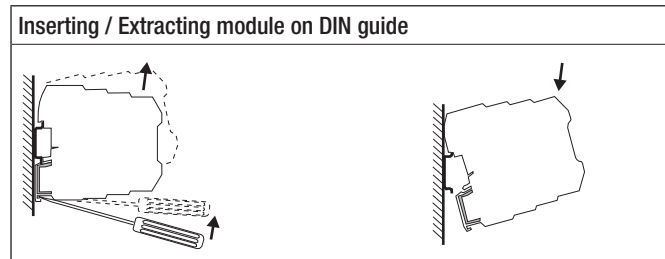
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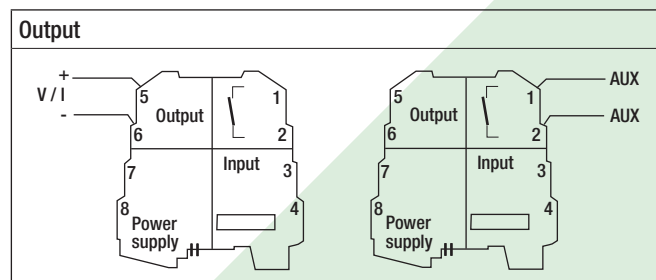
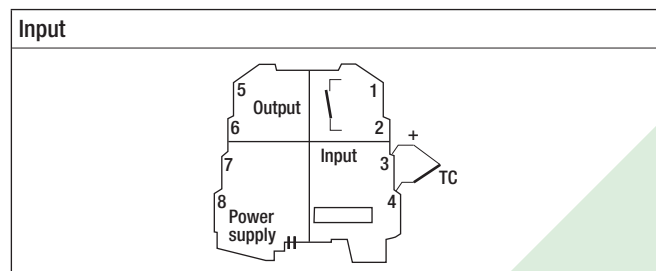
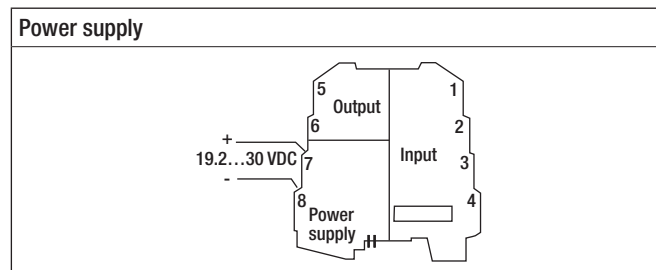
### Order Codes

Description	Code
Thermocouple converter	162 777
Accessories	
CB-Power-Bus Expandable power supply connector	162 826
SINEAX VS70 Power supply module with surge protection	162 818

### Installation



### Electrical connections



### Dimensional drawing

