



## 2-channel analog input; Thermocouple J; Diagnostics

Item No.: 750-469/000-006



2-channel analog input; Thermocouple J; Diagnostics

### Marking

RoHS ✓  
Compliant

### Business data

Supplier	WAGO
Item no.	750-469/000-006
GTIN / EAN	4045454393120
Content	1
Order amount	1
Customer item number	

### Notes

*Item description:* This input module allows the direct connection of two thermocouples. Internal electrical isolation allows operation of grounded sensors. The module automatically linearizes the entire temperature range. Cold junction compensation is utilized to compensate for the clamping unit offset voltage over the 0–55°C operating range. A line break is indicated by a red LED. A green LED indicates readiness for operation and error-free communication with the buscoupler. The shield (screen) is directly connected to the DIN rail.

### Technical data

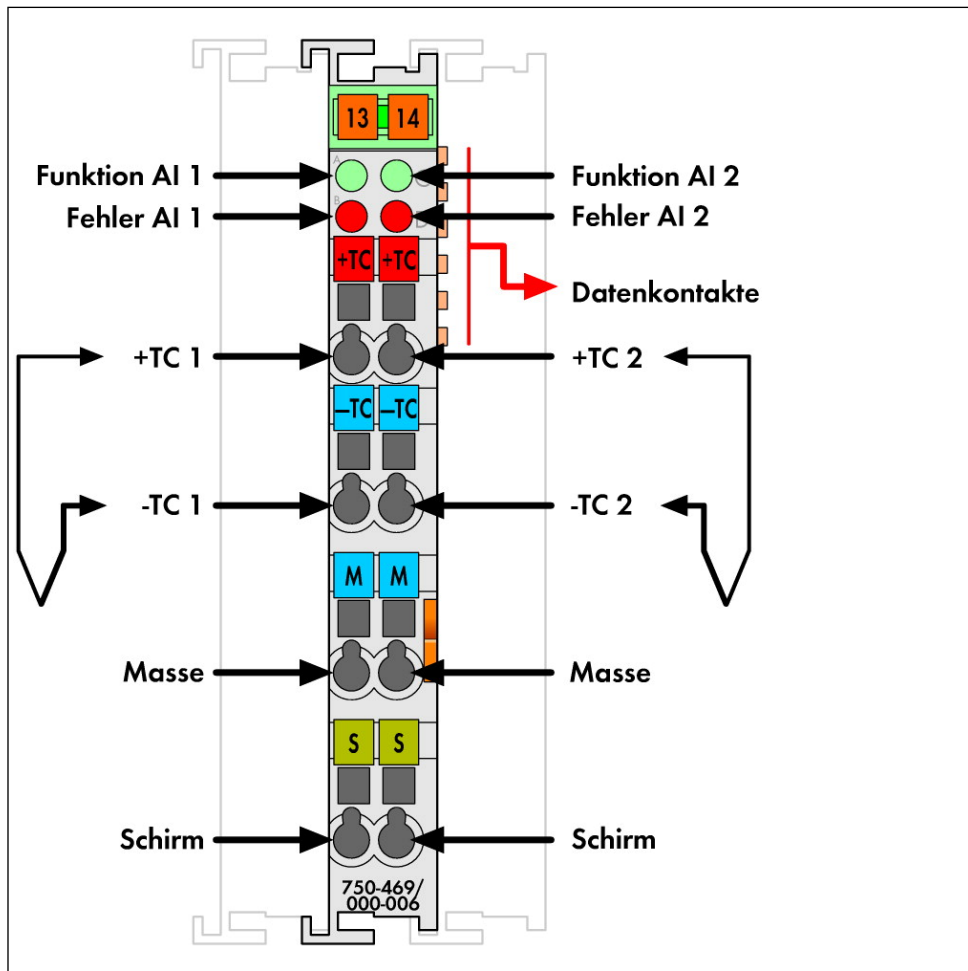
#### Miscellaneous

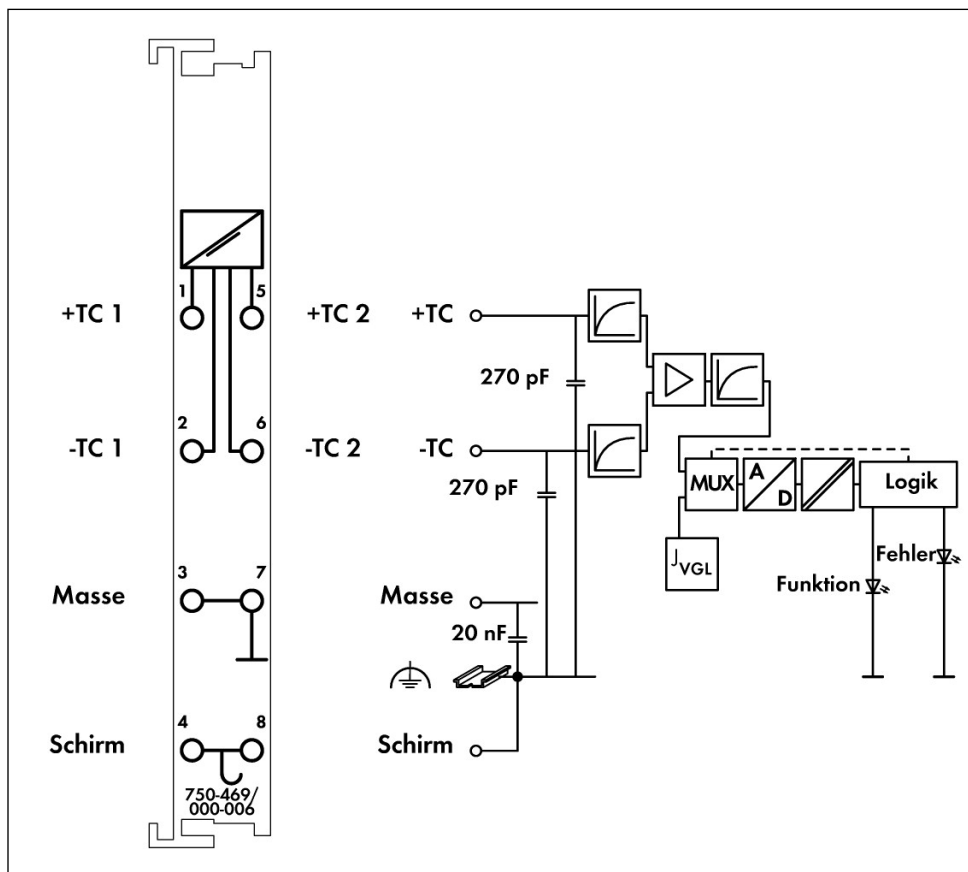
Color	light gray
Conformity marking	CE

<b>Technical data</b>	
Number of inputs	2
Power supply	via system voltage DC/DC
Isolation	500 V system/supply
Max. current consumption (internal) [mA]	65 [mA]
Sensor types	Type J; -100°C ... +1200°C
Internal resistance	1 M
Cold junction compensation	at each pair of terminal blocks
Resolution (over entire range)	0.1 °C
Conversion time	320 ms (each channel)
Measuring error (25 °C)	< ± 6 K (volt. input < ± 2 K, cold junct. < ± 4 K)
Temperature coefficient	< ± 0.2 K/K
Bit width	2 x 16-bit data; 2 x 8-bit control/status (optional)
Type of signal	Thermocouple of type J
Degree of protection	IP20
Connection technology	CAGE CLAMP®
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 Inch
Fire load [MJ]	1.273 [MJ]
Weight [g]	51.676 [g]
Width	12 mm / 0.472 Inch
Height	69.8 mm / 2.748 Inch
Height from upper-edge of DIN-35 rail	62.6 mm / 2.465 Inch
Depth	100 mm / 3.937 Inch
Storage temperature	-25 °C ... +85 °C
Relative air humidity (no condensation) [%]	95 [%]
Type of mounting	DIN-35 x 15 carrier rail
Operating temperature	0°C ... +55°C
EMC emission of interference	acc. to EN 61000-6-4, marine applications
EMC immunity to interference	acc. to EN 61000-6-2, marine applications
Shock resistance	acc. to IECacc. to IEC 60068-2-27
Vibration resistance	acc. to IECacc. to IEC 60068-2-6

Images & drawings







## Address

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Technische Änderungen und Irrtümer vorbehalten.