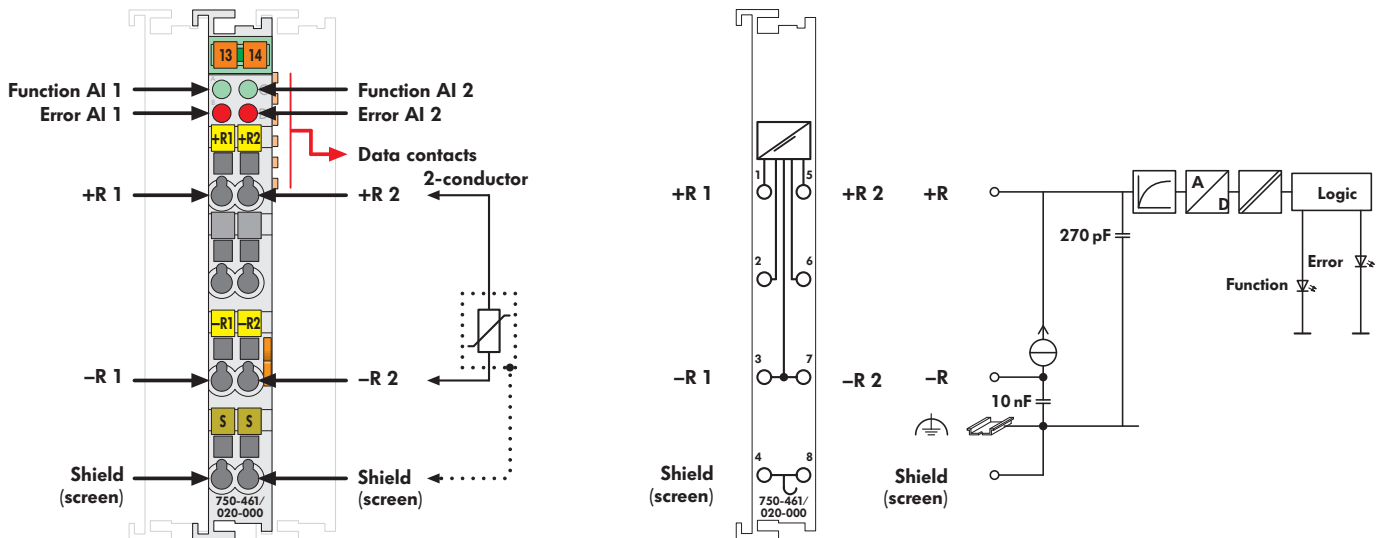


2-Channel Input Module for RTDs

NTC 20kOhm



Delivery without miniature WSB *

The RTD (resistive temperature device) input module allows the direct connection of NTC 20kOhm resistance sensors. The connection of 2-conductor sensors is possible. The module linearizes the entire temperature range automatically. A sensor error is indicated by a red LED. A green LED indicates readiness for operation and trouble-free communication with the buscoupler. The shield (screen) is directly connected to the DIN rail.

Description	Item-No.	Pack.-unit pcs	Technical Data
2AI NTC 20kOhm	750-461/020-000	1	No. of inputs: 2 Voltage supply: via system voltage DC / DC Current consumption max. (internal): 65 mA Sensor types: NTC 20kOhm Sensor connection: 2-wire connection Temperature range: -30 °C ... +130 °C Resolution (over whole range): 0.1 °C Conversion time: 320 ms (per channel) Measuring error ¹⁾ : $\leq \pm 1.0 \text{ K}$ in the range of -30 °C ... +50 °C ($\leq \pm 0.5 \text{ K}$ at 25 °C) $\leq \pm 2.0 \text{ K}$ in the range of +50 °C ... +100 °C $\leq \pm 3.0 \text{ K}$ in the range of +100 °C ... +130 °C ¹⁾ The specified accuracys apply to a supply line resistance of $R_L < 1 \Omega$ Temperature coefficient: $\leq \pm 0.002\% / \text{K}$ of full scale value Isolation: 400 V system / supply Measured current typ.: 0.05 mA Bit width: 2 x 16 bits data 2 x 8 bits control/status (option)
Approvals			
Conformity marking	UL508, E175199 CE		
Accessories			
	* Miniature WSB quick marking system plain: 248-501 with marking: see pages 1.174 ... 1.175	5	
			Wire connection CAGE CLAMP [®] : 0.08 mm ² ... 2.5 mm ² ; AWG 28 ... 14 8 ... 9 mm / 0.33 in stripped length Dimensions (mm) W x H x L: 12 x 64* x 100 * from upper edge of 35 DIN rail Weight: ca 55 g EMC CE -Immunity to interference: acc. to EN 61000-6-2 (2001) EMC CE -Emission of interference: acc. to EN 61000-6-3 (2001)