



## KL3208-0010 | HD Bus Terminal, 8-channel input terminal PT1000, Ni1000 (RTD); NTC sensors, potentiometers

The KL3208-0010 analog input terminal enables connection of eight resistance sensors. The Bus Terminal's circuitry can handle sensors using the 2-wire technique. Linearisation over the full temperature range is realised with the aid of a microprocessor. The temperature range can be selected freely. The Bus Terminal's standard settings are: resolution 0.01 °C within the temperature range of PT/Ni1000 sensors. The error LEDs indicate sensor faults (e.g. a broken wire).

The HD Bus Terminals (High Density) with increased packing density feature 16 connection points in the housing of a 12 mm terminal block.

Technical data	KL3208-0010
Number of inputs	8
Power supply	via the K-bus
Technology	2-wire
Sensor types	PT1000 (default), Ni1000, potentiometer 1/5/10 k $\Omega$ , NTC 1.8 k/2.2 k/3 k/5 k/10 k/20 k/100 k
Connection method	2-wire
Measuring range	-50...+150 °C (depending on sensor type)
Conversion time	~ 1 s
Measuring current	typ. < 0.5 mA
Resolution	0.01 °C per digit
Measuring error	-20...+60 °C: $\pm 0.25$ °C at 25 °C ambient temperature; -50...+150 °C: $\pm 1.5$ °C (for PT/Ni sensors)
Electrical isolation	500 V (K-bus/signal voltage)
Current consumption power contacts	–
Current consumption K-bus	typ. 85 mA
Bit width in the process image	input: 8 x 16 bit data (8 x 8 bit control/status optional)
Configuration	no address setting, configuration via Bus Coupler or controller
Conductor types	solid wire, stranded wire and ferrule
Conductor connection	solid wire conductors: direct plug-in technique; stranded wire conductors and ferrules: spring actuation by screwdriver
Rated cross-section	solid wire: 0.08...1.5 mm <sup>2</sup> ; stranded wire: 0.25...1.5 mm <sup>2</sup> ; ferrule: 0.14...0.75 mm <sup>2</sup>
Special features	open-circuit recognition, cable resistance calibration, particularly suitable for building automation
Weight	approx. 75 g
Operating/storage temperature	-25...+60 °C/-40...+85 °C
Relative humidity	95 %, no condensation
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protect. class/installation pos.	IP 20/variable
Approvals/markings	CE, UL, ATEX
Ex-Marking	II 3 G Ex nA IIC T4 Gc

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Controllers](#) category:*

*Click to view products by [Beckhoff](#) manufacturer:*

Other Similar products are found below :

[CS1WCN223](#) [CS1WCN713](#) [CS1WKS001E](#) [61F-11NH](#) [61FGPN8DAC120](#) [61F-GP-NT AC110](#) [61F-GPN-V50-AC110](#) [70177-1011](#) [F03-03](#)  
[HAS B](#) [F03-03 HAS C](#) [F03-31](#) [81513201](#) [81513535](#) [81550401](#) [FT1A-C12RA-W](#) [88981106](#) [H2CAC24A](#) [R88A-CAGA005S](#) [R88A-](#)  
[CRGB003CR-E](#) [R88ARR080100S](#) [R88A-TK01K](#) [DCN1-1](#) [DTB4896VRE](#) [DTB9696CVE](#) [DTB9696LVE](#) [MR-50LF+](#) [E53-AZ01](#) [E53E8C](#)  
[E5CWLQ1TCAC100240](#) [B300LKL21](#) [NE1ASCPU02EIPVER11](#) [NE1SCPU01](#) [NE1SDRM21U](#) [NSCXDC1V3](#) [NSH5-232CW-3M](#)  
[NT20SST122BV1](#) [NV3Q-SW41](#) [NV4W-ATT01](#) [NV-CN001](#) [OAS-160-N](#) [K31S6](#) [K33-L1B](#) [K3TX-AD31A](#) [L595020](#) [SRS2-1](#) [G32X-V2K](#)  
[26546803](#) [26546805](#) [26546831](#) [CJ1W-OD204](#)