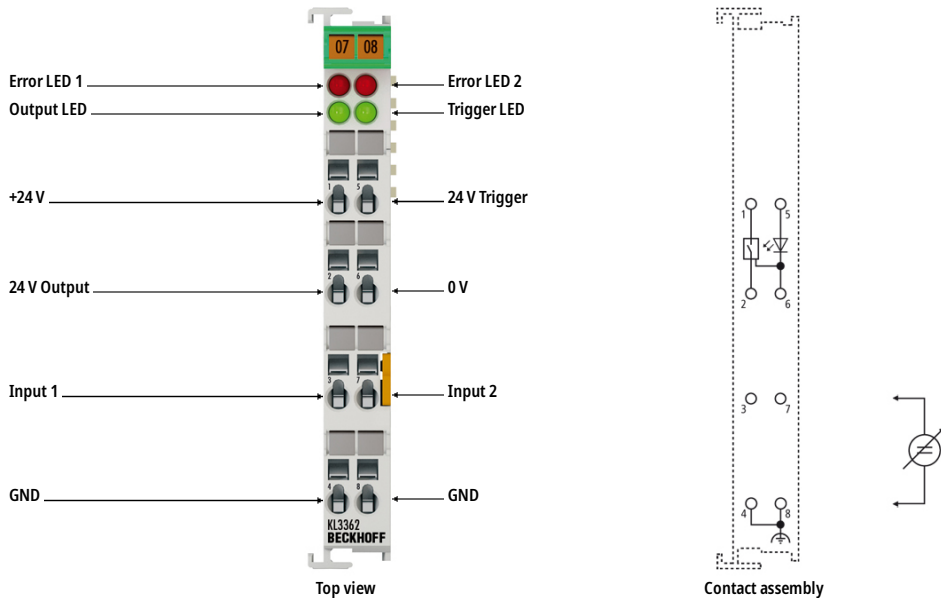
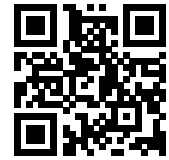


KL3362 | Bus Terminal, 2-channel analog input, voltage, ± 10 V, 15 bit, oscilloscope function



i Product status: Regular delivery

The KL3362 analog input terminal makes it possible to perform non-central preliminary processing of analog values. The input values are digitized with a 14 bit resolution and written into an internal memory. An efficient processor can pre-process the values. Limit values and maximum and minimum values can be determined or monitored. The KL3362 can also carry out envelope curve monitoring. A trigger starts the cyclical processes. The result or all the measured values are transported to the higher-level automation unit.

Product information

Technical data

| Technical data | KL3362, KS3362 |
|------------------------------------|--|
| Number of inputs | 2 analog, 1 trigger |
| Power supply | via the K-bus |
| Signal voltage | -10...+10 V |
| Technology | high-speed data logger |
| Internal resistance | > 500 k Ω |
| Internal resistance E1-GND, E2-GND | > 500 k Ω |
| Supply voltage | - |
| Conversion time | < 100 μ s, configurable (10 μ s with fast sampling mode) |
| Resolution | 14 bit + sign |

| | |
|------------------------------------|--|
| Measuring error | < ±0.5 % (relative to full scale value) |
| Internal memory | 32 kbytes |
| Trigger | configurable |
| Current consumption power contacts | – (no power contacts) |
| Current consumption K-bus | typ. 120 mA |
| Bit width in the process image | input/output: 2 x 16 bit data (2 x 8 bit control/status per channel) |
| Special features | high-speed analog analysis |
| Weight | approx. 55 g |
| Operating/storage temperature | 0...+55 °C/-25...+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. rating/installation pos. | IP20/variable |
| Pluggable wiring | for all KSxxxx Bus Terminals |
| Approvals/markings | CE, UL, ATEX |
| Ex marking | II 3 G Ex nA IIC T4 Gc |

| Housing data | KL-12-8pin | KS-12-8pin |
|-----------------------------------|---|---|
| Design form | compact terminal housing with signal LEDs | terminal housing with pluggable wiring level |
| Material | polycarbonate | |
| Dimensions (W x H x D) | 12 mm x 100 mm x 68 mm | |
| Installation | on 35 mm DIN rail, conforming to EN 60715 with lock | |
| Side by side mounting by means of | double slot and key connection | |
| Marking | labeling of the BZxxx series | |
| Wiring | solid conductor (e), flexible conductor (f) and ferrule (a): spring actuation by screwdriver | |
| Connection cross-section | s*: 0.08...2.5 mm ² , st*: 0.08...2.5 mm ² , f*: 0.14...1.5 mm ² | s*: 0.08...1.5 mm ² , st*: 0.08...1.5 mm ² , f*: 0.14...1.5 mm ² |
| Connection cross-section AWG | s*: AWG 28...14, st*: AWG 28...14, f*: AWG 26...16 | s*: AWG 28...16, st*: AWG 28...16, f*: AWG 26...16 |
| Stripping length | 8...9 mm | 9...10 mm |
| Current load power contacts | I _{max} : 10 A | |

*s: solid wire; st: stranded wire; f: with ferrule

Ordering information

Ordering information

| | |
|--------|---|
| KL3362 | Bus Terminal, 2-channel analog input, voltage, ± 10 V, 15 bit, oscilloscope function |
| KS3362 | Bus Terminal, 2-channel analog input, voltage, ± 10 V, 15 bit, oscilloscope function , pluggable wiring |
