



## KL3464, KL3468 | 4-, 8-channel analog input terminals 0...10 V

The analog input terminals KL3464 and KL3468 process signals in the range between 0 and 10 V. The voltage is digitised to a resolution of 12 bits and is transmitted, electrically isolated, to the higher-level automation device. In the KL3464 Bus Terminal, the four inputs are 2-wire versions and have a common ground potential. The reference ground of the inputs is the internal ground. The KL3468 combines eight channels in one housing and is particularly suitable for space saving installation in control cabinets. The use of single conductor connection technology enables the connection of multi-channel sensor technology with minimum space requirements. The power contacts are connected through. The reference ground for all inputs is the 0 V power contact. The LEDs indicate the data exchange with the Bus Coupler.

| Technical data                     | KL3464   KS3464  | KL3468   KS3468  |
|------------------------------------|--|--|
| Number of inputs                   | 4  | 8  |
| Power supply                       | via the K-bus  |  |
| Signal voltage                     | 0...10 V   |  |
| Internal resistance                | > 130 kΩ   |  |
| Common-mode voltage $U_{CM}$       | –  |  |
| Conversion time                    | ~ 2 ms   | ~ 4 ms   |
| Resolution                         | 12 bit   |  |
| Measuring error                    | < ±0.3 % (relative to full scale value)                    |  |
| Electrical isolation               | 500 V (K-bus/signal voltage)                               |  |
| Current consumption power contacts | –  |  |
| Current consumpt. K-bus            | typ. 100 mA  | typ. 140 mA  |
| Bit width in the process image     | input: 4 x 16 bit data (4 x 8 bit control/status optional) | input: 8 x 16 bit data (8 x 8 bit control/status optional) |
| Configuration                      | no address or configuration setting                        |  |
| Special features                   | –  | high packing density                                       |
| Weight                             | approx. 75 g   |  |
| Operating/storage temperature      | -25...+60 °C/-40...+85 °C                                  | 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. class/installation pos.   | IP 20/variable   |  |
| Pluggable wiring                   | for all KSxxxx Bus Terminals                               |  |
| Approvals                          | CE, UL, Ex, GL   |  |