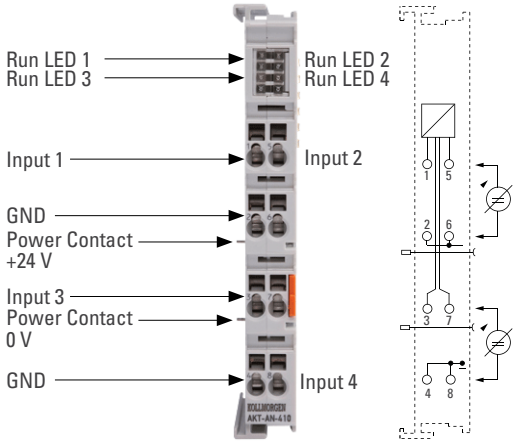
KOLLMORGEN®

*Because Motion Matters™*

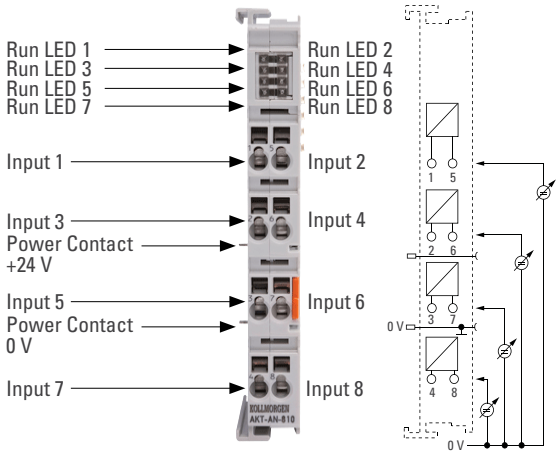
# 4/8-Channel Analog Input Terminals, 10 V DC

The analog input terminals process signals in the range between 0 and 10 V. The voltage is digitized to a resolution of 12 bits and is transmitted, electrically isolated, to the higher-level automation device. In the 4-channel Bus Terminals, the four inputs are 2-wire versions and have a common ground potential. The reference ground for the inputs is separated from the 0 V power contact.

The 8-channel variant combines all eight channels in one housing and are 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. For the 8-channel variant, the reference ground for the inputs is the 0 V power contact. The LEDs indicate the data exchange with the Bus Coupler.




AKT-AN-410-000




AKT-AN-810-000

| Electrical and Mechanical Specification | AKT-AN-410-000 | AKT-AN-810-000 |
|---|---|---|
| Number of inputs | 4 | 8 |
| Power supply | Via the Standard-bus | |
| Signal voltage | 0...10 V | |
| Internal resistance | > 130 Ω | |
| Conversion time | ~ 2 ms | ~ 4 ms |
| Resolution | 12 bits (for 0…10 V range: resolution 11 bits) | |
| Measuring error | < ±0.3 % (relative to full scale value) | |
| Electrical isolation | 500 $V_{rms}$ (Standard-bus / signal voltage) | |
| Current consumption Standard-bus | Typ. 100 mA | Typ. 140 mA |
| Bit width in the process image | Input: 4 x 16 bit data<br>(4 x 8 bit control/status optional) | Input: 8 x 16 bit data<br>(8 x 8 bit control/status optional) |
| Configuration | No address or configuration setting | |
| Weight | 75 g | |
| Operating/storage temperature | 0 C ... +55 °C /-25 °C... +85 °C | |
| Relative humidity | 95 %, no condensation | |
| Vibration/shock resistance | Conforms to EN 60068-2-6 / EN 60068-2-27/ 29 | |
| EMC immunity/emission | Conforms to EN 61000-6-2 / EN 61000-6-4 | |
| Protect. class/installation pos. | IP 20 / variable | |
| Pluggable wiring | For all Bus Terminals | |