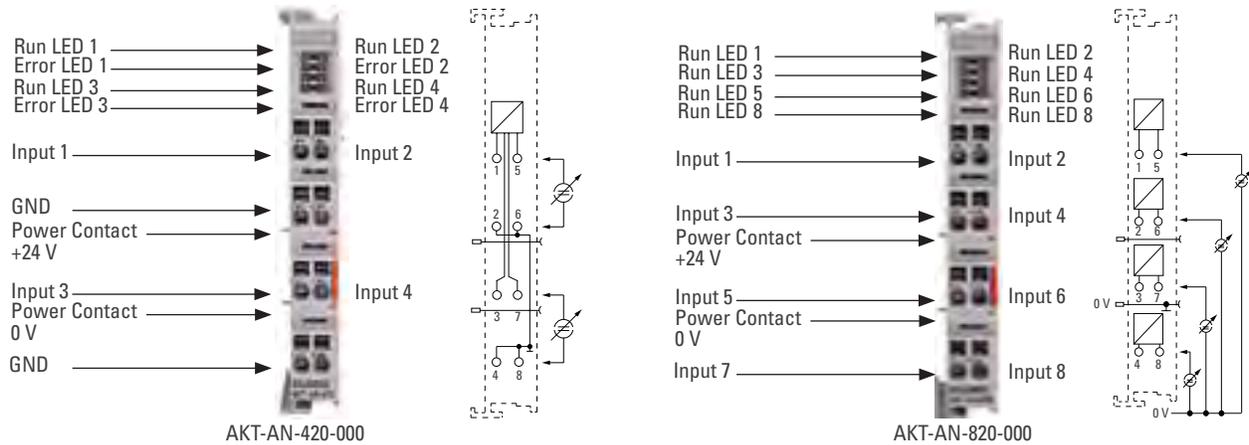


4/8-Channel Analog Input Terminals, 20 mA

The analog input terminals process signals in the range between 0 and 20 mA. The current is digitised to a resolution of 12 bits and is transmitted, in an electrically isolated form, to the higher-level automation device. In the 4-channel 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 8-channel variant combines all 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 reference ground for all inputs is the 0 V power contact. In both Bus Terminals the power contacts are connected through. Overload is detected in both variants. The terminal status is relayed to the controller via the standard-bus. The LEDs indicate the data exchange with the Bus Coupler as well as overload or wire breakage.



Electrical and Mechanical Specification	AKT-AN-420-000	AKT-AN-820-000
Number of inputs	4	8
Power supply	Via the standard-bus	
Signal current	0...20 mA	
Internal resistance	< 85 Ω	
Common-mode voltage U_{CM}	30 V max.	
Conversion time	~ 2 ms	~ 4 ms
Resolution	12 bits	
Measuring error	< ±0.3 % (relative to full scale value)	
Surge voltage resistance	30 V DC	
Electrical isolation	500 V_{rms} (standard-bus / signal voltage)	
Current consumption standard-bus	Typ. 85 mA	Typ. 105 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	
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	

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