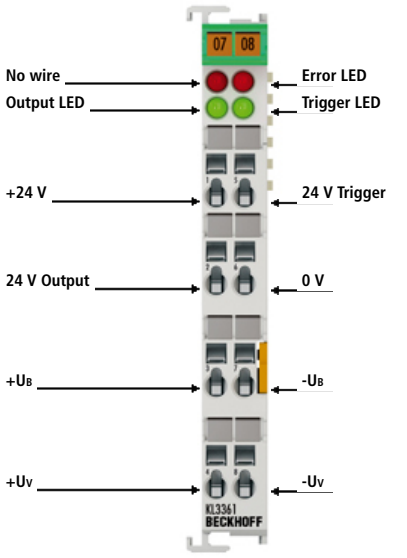
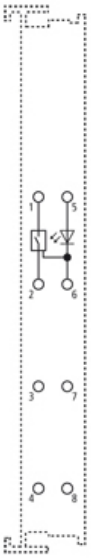
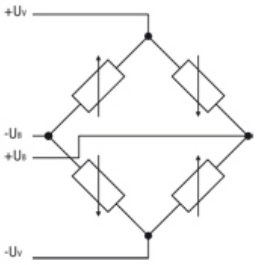


Top view



Contact assembly



The supply voltage U_V can be drawn from the terminal or can be supplied from an external source. The terminal supplies 5 V. The maximum input voltage U is limited to 10 V.

KL3361 | 1-channel oscilloscope terminal -20…+20 mV

The KL3361 analog input terminal makes it possible to perform non-central preliminary processing of analog values. The input values are digitised 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 KL3361 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.

Technical data	KL3361 | KS3361
Number of inputs	1 analog, 1 trigger
Power supply	via the K-bus
Signal voltage	U_{IN}: -16…+16 mV
Signal voltage U_{IN}	-20…+20 mV
Technology	high-speed data logger
Internal resistance	> 1 MΩ (U_B)
Supply voltage	5 V DC, max. 20 mA
Conversion time	< 100 µs, configurable (10 µs with fast sampling mode)
Sampling rate	< 100 µs, configurable (10 µs with fast sampling mode)
Resolution	14 bit + sign
Measuring error	< ±1 % (relative to full scale value)
Internal memory	32 kbytes
Current consumption power contacts	– (no power contacts)
Current consumpt. K-bus	typ. 120 mA with external DMS power supply, typ. 140 mA with internal DMS power supply from terminal (4 x 350 Ω)
Bit width in the process image	input/output: 1 x 16 bit data (1 x 8 bit status, 1 x 8 bit control)
Special features	high-speed strain gauge analysis (for all fieldbuses)
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. class/installation pos.	IP 20/variable
Pluggable wiring	for all KSxxxx Bus Terminals
Approvals	CE, UL, Ex