



K-Bus end terminal

The KL9010 K-Bus end terminal is necessary for data exchange between the Bus Coupler and the Bus Terminals. Each Bus Terminal block has to be terminated at the right hand end with a K-Bus end terminal. The K-Bus end terminal KL9010 does not have any other function or connection facility.

Technical Data	KL9010
Current consumption from the K-Bus	-
Electrical isolation	500 V (K-Bus/signal voltage)
Bit width in the process image	-
Configuration	no address or configuration settings
Weight	ca. 50 g
Permissible ambient temperature range	-25°C ... +60°C in operation
	0°C ... +55°C (according to cULus for Canada and USA)
	0°C ... +55°C (according to ATEX, see special conditions)
	-40°C ... +85°C (during storage)
Permissible relative humidity	5% ... 95%, no condensation
EMC resistance burst / ESD	conforms to EN 61000-6-2 / EN 61000-6-4
Vibration / shock resistance	conforms to EN 60068-2-6 / EN 60068-2-2
Protection class	IP20
Installation pos.	Variable
Approval	CE, cULus, ATEX, GL

ATEX - Special conditions

 WARNING	<p>Observe the special conditions for the intended use of Beckhoff fieldbus components in potentially explosive areas (directive 94/9/EU)!</p> <ul style="list-style-type: none">• The certified components are to be installed in a suitable housing that guarantees a protection class of at least IP54 in accordance with EN 60529! The environmental conditions during use are thereby to be taken into account!• If the temperatures during rated operation are higher than 70 °C at the feed-in points of cables, lines or pipes, or higher than 80 °C at the wire branching points, then cables must be selected whose temperature data correspond to the actual measured temperature values!• Observe the permissible ambient temperature range of 0 - 55 °C for the use of Beckhoff fieldbus components in potentially explosive areas!• Measures must be taken to protect against the rated operating voltage being exceeded by more than 40% due to short-term interference voltages!• The individual terminals may only be unplugged or removed from the Bus Terminal system if the supply voltage has been switched off or if a non-explosive atmosphere is ensured!• The connections of the certified components may only be connected or disconnected if the supply voltage has been switched off or if a non-explosive atmosphere is ensured!• The fuses of the KL92xx power feed terminals may only be exchanged if the supply voltage has been switched off or if a non-explosive atmosphere is ensured!• Address selectors and ID switches may only be adjusted if the supply voltage has been switched off or if a non-explosive atmosphere is ensured!
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 Note	<p>Operation of the Bus Terminal System in potentially explosive areas (ATEX)!</p> <p>Pay also attention to the continuative documentation</p> <p><i>Notes about operation of the Bus Terminal System in potentially explosive areas (ATEX)</i></p> <p>that is available in the download area of the Beckhoff homepage http://www.beckhoff.com!</p>
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