



KL6301 | EIB/KNX Bus Terminal

The KL6301 EIB/KNX Bus Terminal is integrated in an EIB/KNX network and can receive/transmit data from/to other EIB/KNX devices. Due to the integration in the Bus Terminal system, EIB/KNX components can also be integrated in higher-level bus systems such as Ethernet. The Bus Terminal is commissioned or configured via TwinCAT function blocks. Status LEDs directly indicate the bus status. The EIB/KNX terminal operates independent of the bus system used. Several KL6301 can be used with a single Bus Coupler or a Bus Terminal Controller. Up to 256 group addresses can be received; sending is only limited by the application.

Technical data	KL6301
Technology	EIB/KNX
Number of channels	1
Data transfer standard	twisted pair (TP)
Connection	2-wire
Data transfer channels	1
Data transfer rates	9,600 baud
Bus access	CSMA/CA
Cable length	–
Current consumpt. K-bus	typ. 55 mA
Current consumption power contacts	–
Short-circuit-proof	yes
Electrical isolation	500 V (K-bus/EIB)
Bit width in the process image	input/output: 24 bytes
Configuration	TwinCAT (function blocks)
Nominal voltage	24 V DC (-15 %/+20 %)
Input voltage	24 V DC (-15 %/+20 %)
Special features	TwinCAT library: TwinCAT PLC EIB
Weight	approx. 85 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
Approvals	CE, UL, Ex

Accessories	
TwinCAT PLC EIB	The library is installed free of charge together with TwinCAT from V2.11 Build 2229 (R3 and x64 engineering).

System	
subsystem	For further subsystem products please see the system overview .