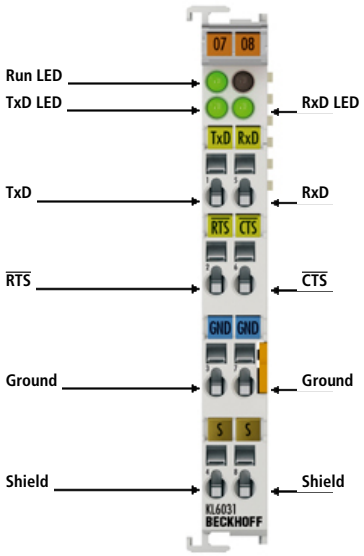
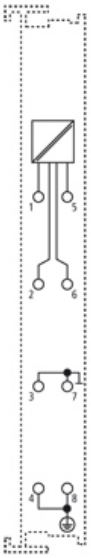
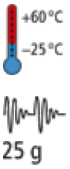


Top view



Contact assembly



KL6031 | Serial interface RS232

The KL6031 serial interface allows devices with an RS232 interface to be connected. The interface operates in conformity with the CCITT V.28/DIN 66 259-1 standards. The device connected to the terminal communicates with the automation device via the Bus Coupler. The active communication channel operates independently of the higher-level bus system in full duplex mode at up to 115.2 kbaud. The RS232 interface guarantees high immunity to interference through electrically isolated signals.

Technical data	KL6031 | KS6031
Technology	RS232
Data transfer channels	2 (1/1), TxD and RxD, full duplex
Data transfer rates	4800…115,200 baud; default: 9600 baud, 8 data bits, no parity and one stop bit
Bit distortion	< 3 %
Line impedance	–
Cable length	max. 15 m
"0" signal voltage	-18…-3 V
"1" signal voltage	3…18 V
Power supply	via the K-bus
Current consumption K-bus	typ. 55 mA
Current consumption power contacts	– (no power contacts)
Electrical isolation	500 V (K-bus/signal voltage)
Data buffer	1024 bytes receive buffer, 128 bytes transmit buffer
Bit width in the process image	input/output: 22 x 8 bit user data, 2 x 8 bit control/status (up to 22 byte user data are possible)
Configuration	no address setting, configuration via Bus Coupler or controller
Special features	high interference immunity, electrically isolated signals
Weight	approx. 80 g
Operating/storage temperature	-25…+60 °C/-40…+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, GL

Accessories	
TS6340	IEC 61131-3 software library for TwinCAT PLC for communication via serial devices
TS6341	license for using the software library for communication via serial Bus Terminals or PC COM ports using the protocol 3964R/RK512
TS6255	IEC 61131-3 software library for TwinCAT PLC with Modbus RTU function blocks for serial communication with Modbus devices

System	
RS232	For further RS232 products please see the system overview.