# KL6581 | EnOcean master terminal

The bidirectional EnOcean technology receives signals from battery-less sensors or transmits data to actuators. With a radio signal range of 30 m, the wiring of buildings can be simplified significantly. The KL6581 EnOcean master terminal is the link between the KL6583 EnOcean transmitter and receiver modules and the application. Up to eight KL6583 EnOcean transmitters and receivers can be connected to a KL6581 EnOcean master terminal. The KL6583 modules are connected to the KL6581 via two wires for the power supply and two wires for the data bus that transmits the EnOcean telegrams. The maximum total length of the data bus is 500 m.

| Technical data | KL6581 |
|---|---|
| Technology | EnOcean |
| Number of channels | 1 |
| Connection | 2 x 2-wires directly at the KL6583 EnOcean module (connection of max. 8 KL6583) |
| Data transfer standard | – |
| Data transfer rates | 125 kbaud |
| Cable length | max. 500 m |
| Power supply | via the K-bus |
| Connecting cable | up to 500 m |
| Current consumption K-bus | typ. 60 mA |
| Current consumption power contacts | typ. 20 mA + load |
| Configuration | not required |
| Nominal voltage | 24 V DC (-15 %/+20 %) |
| Special features | up to 8 KL6583 EnOcean transmitter and receiver modules |
| Weight | approx. 85 g |
| Operating/storage temperature | 0…+55 °C/-25…+85 °C |
| Relative humidity | 95 %, no condensation |
| Protect. class/installation pos. | IP 20/variable |
| Approvals/markings | CE, UL |

| Further EnOcean products | |
|---|---|
| KL6583 | EnOcean transmitter and receiver |

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

| System | |
|---|---|
| EnOcean | For further EnOcean products please see the system overview. |

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