



## KL6831 | SMI master terminal, LoVo



The KL6831 master terminal connects the Bus Terminal system with the SMI bus system. SMI (Standard Motor Interface) is used for controlling and exact positioning of roller shutter and sun protection device drives. In conjunction with intelligent energy and lighting management the blades can be positioned and moved according to the sun's position. Up to 16 drives can be connected via an SMI master terminal. The KL6831 is suitable for LoVo SMI devices.

Technical data	KL6831
Technology	SMI
Number of channels	1
Number of slaves	16
Data transfer standard	SMI
Data transfer rates	2400 baud
Topology	line topology
Cable length	max. 200 m
Current consumption K-bus	typ. 55 mA
Electrical isolation	500 V (K-bus/SMI-bus)
Bit width in the process image	input/output: 24 bytes
Configuration	via the Bus Coupler or the controller
Input voltage	24 V DC (-15 %/+20 %)
Insulation voltage	SMI bus/K-bus: permanently 1,500 V AC, SMI bus/24 V DC power supply: permanently 1,500 V AC, K-bus/24 V DC power supply: permanently 500 V AC
SMI system	LoVo
Special features	2 digital inputs for simplified commissioning, TwinCAT library: TwinCAT PLC SMI, only for Beckhoff controllers
Weight	approx. 80 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

Accessories	
<b>TwinCAT PLC SMI</b>	The library is installed free of charge together with TwinCAT from V2.11 Build 2240 (R3 and x64 engineering).

Related products	
<b>KL6841</b>	SMI master terminals for 230 V AC

System

subsystem

For further subsystem products please see the [system overview](#).