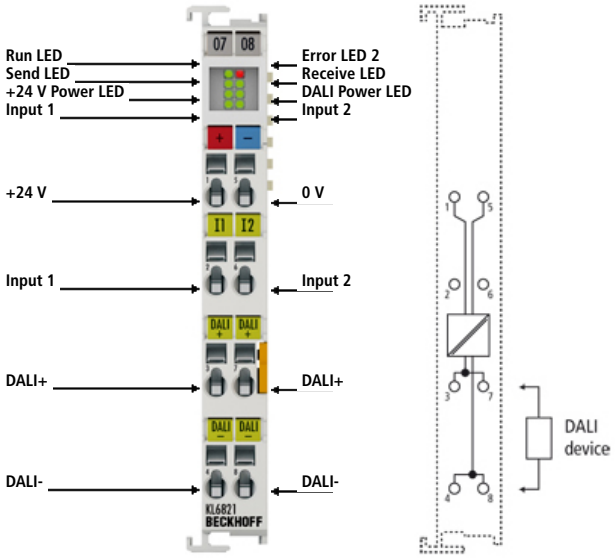

KL6821 | DALI/DALI 2 multi-master and power supply terminal

The KL6821 enables the connection of up to 64 DALI/DALI 2 slaves and 64 DALI input devices. The KS2000 software enables simple configuration via a PC that is directly coupled with the Bus Coupler via an RS232 interface or via the fieldbus. The integrated power supply unit generates an electrically isolated 24 V DC output voltage. No further components are required for the operation of the DALI/DALI 2 devices. The KL6821 operates fieldbus-independent.

Technical data	KL6821
Technology	DALI/DALI 2
Number of channels	1
Slaves/groups	max. 64 DALI/DALI 2 slaves and 64 DALI input devices; max. 16 groups
Data transfer channels	1
Data transfer standard	DALI + DALI 2
Data transfer rates	1200 baud
Current consumption K-bus	typ. 55 mA
Short-circuit proof	yes
Electrical isolation	500 V (K-bus/DALI-bus)
Bit width in the process image	input/output: 4 x 8 bit user data, 1 x 8 bit control/status (up to 5 x 8 bit user data are possible)
Configuration	via the Bus Coupler or the controller
Nominal voltage	24 V DC (-15 %/+20 %)
Input voltage	24 V DC (-15 %/+20 %)
Insulation voltage	DALI-bus/K-bus: 1,500 V DC, DALI-bus/power contacts: 1,500 V DC
DALI power supply	max. 250 mA
Surge voltage resistance	constant load 275 V AC_{rms}
Special features	2 digital inputs for simplified installation; TwinCAT library: TwinCAT PLC DALI
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/markings	CE

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