



KL9301 | Diode array terminal

The KL9301 Bus Terminal contains a diode array consisting of a total of seven diodes with a common cathode. The diode array can be used as a free-wheeling or decoupling array. Through direct integration into the Bus Terminal assembly, the compact design of the Bus Terminal is retained for the whole application. Wiring is simplified significantly.

Technical data	KL9301 KS9301
Number of diodes	7
Interconnection	common cathode
Nominal cut-off voltage	1000 V (diodes)
Output current	1 A on each diode
Peak current	2.5 A (100 ms)
Voltage drop	0.7 V typ.
Current consumption K-bus	–
Isolation voltage (channel/channel)	< 200 V
Electrical isolation	1500 V (K-bus/field)
Bit width in the process image	–
Weight	approx. 55 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
Pluggable wiring	for all KSxxxx Bus Terminals
Approvals	CE, UL, Ex

Related products	
KL9300	Diode array terminal, 4 potential-free diodes, 1 A, to 1000 V AC/DC
KL9302	Diode array terminal, 7 diodes (common anode), 1 A, to 1000 V AC/DC



Product announcement

KL9301: available
KS9301: estimated market release on request