



KL9300 | Diode array terminal

The KL9300 Bus Terminal contains four potential-free diodes that can be used as free-wheeling or decoupling diodes. 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 | KL9300 KS9300 |
|-------------------------------------|----------------------------------------|
| Number of diodes | 4 |
| Interconnection | potential-free |
| 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. 50 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 | |
|------------------------|-----------------------------------------------------------------------|
| KL9301 | Diode array terminal, 7 diodes (common cathode), 1 A, to 1000 V AC/DC |
| KL9302 | Diode array terminal, 7 diodes (common anode), 1 A, to 1000 V AC/DC |

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| i Product announcement | KL9300: available KS9300: estimated market release on request |
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