



KL2012, KL2022, KL2032 | 2-channel digital output terminals 24 V DC

The KL2012, KL2022 and KL2032 digital output terminals connect the binary control signals from the automation unit on to the actuators at the process level with electrical isolation. The KL2012 and KL2022 versions handle different load currents, and their outputs are protected against overload (only KL2012) and short-circuit. The KL2032 is protected against reverse polarity connection. The Bus Terminals contain two channels that indicate their signal state by means of light emitting diodes.

| Technical data | KL2012 KS2012 | KL2022 KS2022 | KL2032 KS2032 |
|------------------------------------|--|---|---|
| Number of outputs | 2 | | |
| Rated load voltage | 24 V DC (-15 %/+20 %) | | |
| Load type | ohmic, inductive, lamp load | | |
| Max. output current | 0.5 A (short-circuit-proof) per channel | 2.0 A (short-circuit-proof) per channel | 0.5 A (short-circuit-proof) per channel |
| Short circuit current | 0.6...1.0 A | 22...35 A, typ. 13 A | 0.7...1.7 A |
| Breaking energy | < 150 mJ/channel | < 1.7 J/channel | no data |
| Reverse voltage protection | no | no | yes |
| Electrical isolation | 500 V _{rms} (K-bus/field potential) | | |
| Current consumption power contacts | typ. 15 mA | typ. 20 mA | typ. 20 mA |
| Current consumption K-bus | typ. 5 mA | | |
| Bit width in the process image | 2 outputs | | |
| Configuration | no address or configuration setting | | |
| 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 60068-2-27/29 | | |
| 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 | | |
| Further information | www.beckhoff.com/KL2012 | | |