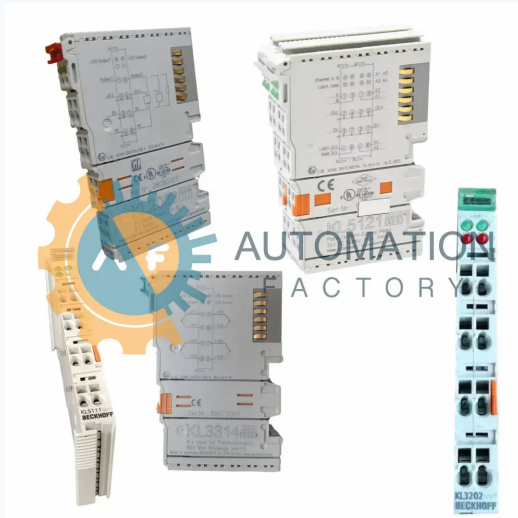


Beckhoff — KL Analog Input Modules

KL2012

 **In-Stock, Ships Today**

- ☒ Get a Quote in 5 minutes
- ☒ Parts ship in as little as 24 hours
- ☒ Up to half the cost of the manufacturer

**Secure Online**
Checkout**Free Ground**
Shipping**One Year**
Warranty

The **KL2012** is a 24 V digital output terminal produced by Beckhoff for the KL Bus Terminal series. Within a Bus Terminal station, it acts as the interface between field wiring and the controller, allowing low-voltage actuators or indicator circuits to be driven directly from the backplane. Each channel switches its load through solid-state electronics, so no mechanical wear occurs during the rapid on-and-off sequences common in industrial automation. The terminal is powered by a field supply of **24 V DC**, which matches typical control-cabinet power rails and eliminates the need for local converters. Each channel provides a drive capability of **0.5 A per channel**, supporting small pneumatic valves, relays, or signal lamps without external amplifiers. The terminal has **2 independent outputs**, and their states are transferred cyclically to the PLC through a process image width of **2 output bits**. This one-to-one relationship simplifies address mapping within the control program. The enclosure has an ingress protection rating of **IP20**, so the module must be installed inside a protected cabinet but requires no additional gasketing. The wiring uses two-wire connection technology, meaning each output uses one switched lead and a common 0 V return. A variable installation position allows the housing to be oriented horizontally or vertically to suit the cabinet layout.

The housing measures **15 × 100 × 70 mm**, keeping channel density high while leaving room on the rail for additional terminals. It snaps onto a **35 mm DIN rail** and connects to the adjacent Bus Coupler through an integrated side connector, so no tools are required after the rail is mounted. The terminal includes **reverse-voltage protection** that protects upstream supplies by blocking current if the 24 V and 0 V leads are accidentally reversed.

Automation Factory sells factory new and pre-owned surplus products and maintains channels to procure supply. Automation Factory is not affiliated with nor an authorized distributor or representative of any manufacturers, brands or products listed. Designated trademarks, brand names, and brands appearing herein are the property of their respective owners.

The outputs are also **short-circuit-proof**. If a load draws excessive current, the affected channel shuts down electronically and resumes operation automatically after the fault is cleared.

Specifications

Approvals/markings:	CE, CCC, UL, ATEX, IECEX	Breaking Energy:	< 150 mJ/channel	Connection Technology:	2-Wire
Dimensions:	15 x 100 x 70 mm	Emc Immunity/emission:	conforms to EN 61000-6-2/EN 61000-6-4	Installation Position:	Variable
Load Type:	ohmic, inductive, lamp load	Max Output Current:	0.5 A/Channel	Max. Output Current:	0.5 A (short-circuit proof) per channel
Mounting:	35 mm DIN Rail	Nominal Voltage:	24 V DC	Number Of Outputs:	2
Operating Temperature:	0...55C	Process Image Width:	2 Output Bits	Protect. Rating/installation Pos.:	IP20/variable
Protection Class:	IP20	Reverse Voltage Protection:	Yes	Short-circuit Current:	< 2 A
Short-circuit Proof:	Yes	Storage Temperature:	-25...+85C	Vibration/shock Resistance:	conforms to EN 60068-2-6/EN 60068-2-27
Last Verified:	10/24/2026 2:55 PM				

Contact Us

-  1620 Old Apex Road, Cary, NC 27513, USA
-  **Toll Free:** [1-888-551-3082](tel:1-888-551-3082)
-  **International:** [1-919-443-0207](tel:1-919-443-0207)
-  **Fax:** [1-919-867-6204](tel:1-919-867-6204)
-  **Email:** sales@wakeindustrial.com

Shipping Options



Payment Methods



Automation Factory sells factory new and pre-owned surplus products and maintains channels to procure supply. Automation Factory is not affiliated with nor an authorized distributor or representative of any manufacturers, brands or products listed. Designated trademarks, brand names, and brands appearing herein are the property of their respective owners.