

G3 CAN Receiver

Dedicated CAN receiver for machines with controllers



Technical information about G3 CAN

- **Platform:** G3
- **Dimensions:** (W × H × D): 110 × 140 × 157 mm (~4.33 × 5.51 × 6.18 in, including antenna)
- **Weight:** 1.2 kg (2.6 lbs)
- **Power supply:** 12 or 24 VDC (absolute maximum ratings 9-36 VDC)
- **IP class:** IP67
- **Cable interface:** M12 connectors
- **Cable length:** 0.3 m or 3.0 m (0.98 ft or 9.84 ft)
- **Current consumption:**
 - Idle: 65 mA (at 24 V)
 - Operational: 100 mA + external loads in operation (at 24 V)
- **Dump valve outputs:** Short-circuit-proof, overload-protected, max. 2.7 A load.
 - DV1 is active when any of the levers/ joysticks are active.
 - DV2 is active when the radio/cable link is active.
- **Safety loops:** Feed loop-in with power supply. Once the radio/cable link is established, loop-out goes high. Short-circuit-proof, max. 2.7 A load.
- **CAN bus:** CANopen
- **Radio frequencies:** 433 MHz, 915 MHz & 2.4 GHz
- **Ambient temperature:** -25 °C to +70 °C (-13 °F to +158 °F)

The G3 CAN receiver is designed for machines that already feature a master controller, emphasizing a single, reliable CAN interface. Out of the box, it supports CANopen and provides hardwired signals for a seamless stop function. For OEMs seeking a straightforward path to remote control – without additional I/O overhead – the G3 CAN merges safety loops with a simple setup, delivering stable performance in both standard and demanding applications. By eliminating unnecessary I/O complexity, you can focus on refining your machine’s core functionality while maintaining a rigorous safety standard.

Why choose G3 CAN?

Reduced complexity

Skip excessive I/O in favor of a direct CAN interface, letting your master controller take the lead.

Safety loops

Hardwired stop signals and dual safety loops help maintain safety for both operators and machines in critical conditions.

Time-saving installation

Clearly labeled terminals and versatile supply voltages shorten your deployment timeline, so you can get up and running faster.

Global market access

Supports global market access across 433 MHz, 915 MHz, and 2.4 GHz frequencies, ensuring dependable connectivity for various regional requirements.