

PRESS RELEASE

October 16, 2025 – Mississauga, ON, Canada

Axiomatic Releases a Galvanically Isolated CAN-Repeater, Suited for Railway Equipment

The [AX140180](#) CAN-Repeater acts as a gateway or interface between multiple CAN buses. The CAN ports and power ports are galvanically isolated from each other with 500 VDC isolation. [AX140180](#) features an isolated SAE J1939 CAN port for configuration and a CAN 2.0A/2.0B port that supports data frames and remote frames with standard and extended IDs.

The [AX140180](#) CAN-Repeater operates with a power supply input of 12 or 24 VDC nominal (9 to 36 VDC), provides an isolated output supply voltage of 24 VDC nominal (9 to 36 VDC), and provides an output current of 100 mA. [AX140180](#) is user configurable using the Axiomatic Electronic Assistant, P/N: [AX070502](#) or P/N: [AX070506K](#).



[AX140180 — CAN-Repeater with Galvanic Isolation](#)

The [AX140180](#) module features an IP67-rated enclosure, resistant against dust and water exposure, and is compliant with the standard EN50155. The EN50155 compliance standard ensures that the [AX140180](#) CAN-Repeater device is suitable for railway equipment applications.

If you require [AX140180](#) to be compliant with the EN45545-2 standard, check if a flammable part is located near the installation to meet dropping rules.

For more details, please visit the [AX140180](#) webpage on Axiomatic Technologies' website.

The CAN-Repeater with Galvanic Isolation, [AX140180](#), is the newest addition to the Axiomatic CAN-Repeater line-up.

- Isolated CAN-Repeater, 2x SAE J1939, 250 kbps, [AX140100-03](#)
- Isolated CAN-Repeater, 2x SAE J1939, 500 kbps, [AX140100-04](#)



The [AX140180](#) CAN-Repeater is best suited for railway equipment while the AX140100-03 and AX140100-04 CAN-Repeaters are better suited for engine applications.

You can browse through our catalog of [CAN-Repeaters](#) and other [Connectivity Solutions](#).

Axiomatic specializes in the design, development, and production of control solutions tailored for diverse applications where performance and reliability are of utmost importance. Our team of design engineers designs products and components in both Canada and Finland, while our manufacturing operations are located in Canada. A US location is underway.

Contact: Alyssa Menard | Marketing Communications Specialist
alyssa.menard@axiomatic.com