

# Wiegand Isolator

The **Wiegand Isolator** (Part No. 9159011) is used for galvanic isolation of the Wiegand bus.

The **2N<sup>®</sup> Helios IP Wiegand Isolator** is designed for **galvanic isolation** of two devices with separate power supply and interconnected via the Wiegand bus. The **2N<sup>®</sup> Helios IP Wiegand Isolator** protects the interconnected devices against communication errors and/or damage.

Connection of the **2N<sup>®</sup> Helios IP Card Reader** to a security system unit is a typical example of application.



**Function:**

The **2N<sup>®</sup> Helios IP Wiegand Isolator** separates galvanically a two-wire Wiegand bus in one direction and a status LED signal in the other direction. The module is power supplied from the Wiegand bus receiver side.

**Specifications:**

- 2-wire WIEGAND IN
- 2-wire WIEGAND OUT
- LED IN switched against GND on WIEGAND OUT side
- Open LED OUT switched against GND on WIEGAND IN side (up to 24 V / 50 mA)
- 5 to 16V / 10 mA power supply from Wiegand bus receiver side
- 500 V DC isolation strength

**Connection:**



