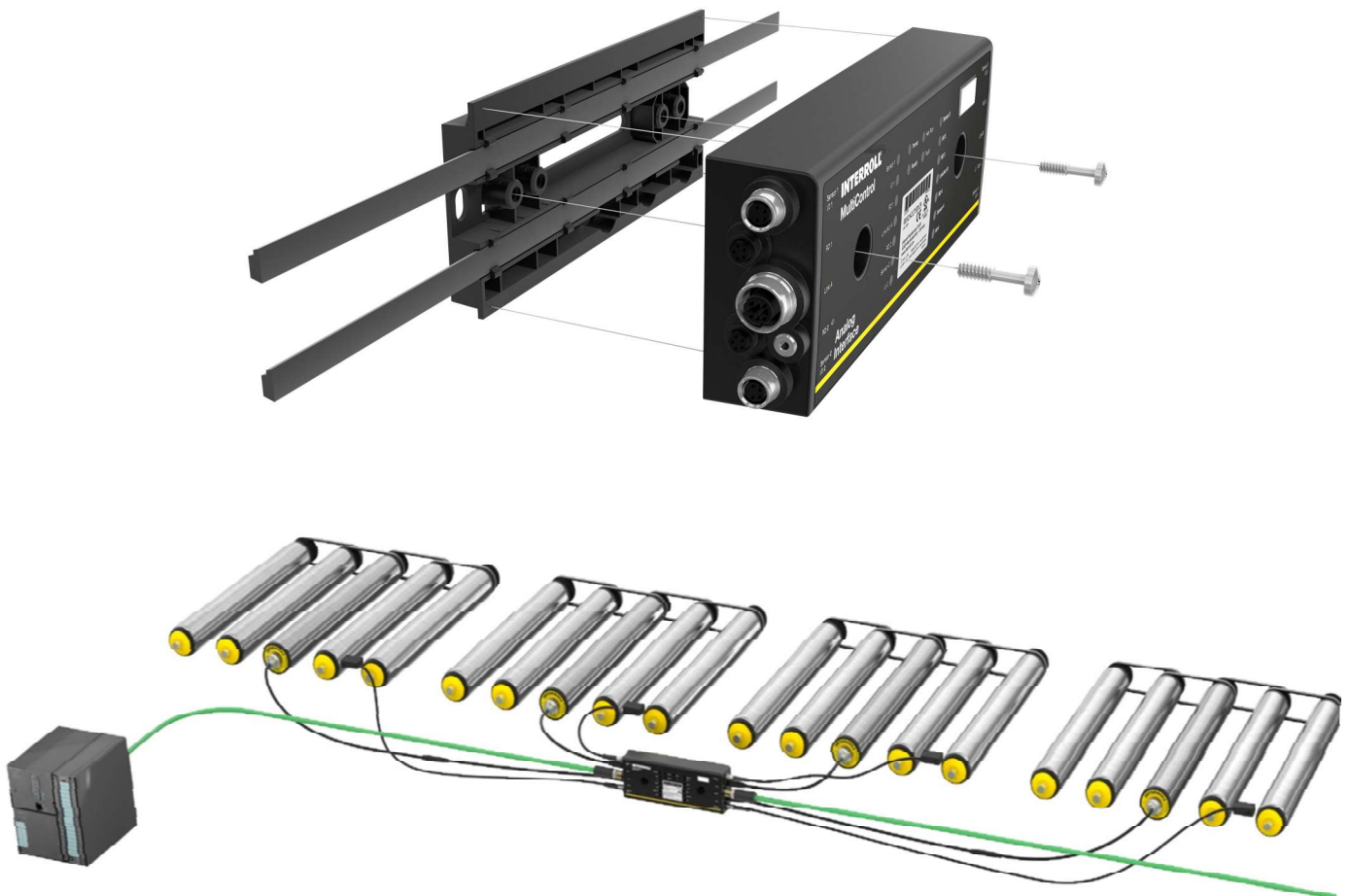


# Interroll MultiControl

The MultiControl is a multiprotocol-capable control for RollerDrive EC310 and key elements of the Modular Conveyor Platform (MCP) and Pallet Drive (via Pallet Control). It provides one solution for box, tote and pallet conveying, offering enormous flexibility for stock management as well as for planning and installation of conveyors.

The MultiControl, sensors and RollerDrive are directly integrated into the field bus level. An additional sensor/actuator level with additional wiring and gateway becomes completely unnecessary.

A standard ribbon cable is used for power wiring. Two separate power circuits allow safe powering off of the RollerDrive while bus communication remains active.



## Produkt Information

### Interroll MultiControl



The MultiControl can control four conveyor zones so four RollerDrive and four sensors can be connected. The addressing and configuration of all MultiControls is done over PLC software, a web browser menu or with the Interroll Teach-In method. Furthermore, the Teach-In method allows to detect the sequence of MultiControl placement in the conveyor line, saving time during the

on-site start-up phase. Different Process Images allows to find the optimum solution between variety of data used and PLC capacity. The MultiControl communicates with the PLC in real time (min device interval: one millisecond), is easy to handle and works for nearly all applications.



### MultiControl operation modes

- **Autonomous zero pressure accumulation (ZPA) conveyor:** No PLC or programming is needed. Just use the ingenious logic of the MultiControl.
- **Autonomous ZPA conveyor, but connected to a PLC.** This allows visualization of the complete conveyor line because the PLC receives all sensor- and RollerDrive information, as well as influence of the automatic ZPA logic.
- If a special logic is needed, the MultiControl can be used **as an input/output (I/O) device**. The existing ZPA logic will be ignored. The connected PLC receives all sensor- and RollerDrive information and, by means of a PLC, it is possible to customize material flow to the user's needs.

### Benefits

- **Easy handling:** multiprotocol capable control for PROFINET, EtherNet/IP and EtherCat
- **Simple installation:** enhanced protection against wrong polarity of the power wiring and power for inputs/outputs
- **Safe powering-off** of the RollerDrive while bus remains active.
- **Plug-and-play replacement:** no addressing or configuration needed
- Process Images facilitates finding the **optimum solution** between variety of data used and **PLC capacity**.

### Features

- Connection of four RollerDrive EC310, four sensors and four additional inputs/outputs via y-cable
- Adjustment of RollerDrive parameters like speed, direction of rotation, start-and-stop ramps via web browser menu or PLC
- Protection against electrical noise
- Ambient temperature range from -30° to +40°C
- UL certification
- Bus certification:
  - PROFINET Conformance Class B
  - EtherNet/IP ODVA Conformance
  - EtherCat