

ConveyorControl Control Cards for EC3 10 RollerDrive



DriveControl 20 / 54

The DriveControl 20 / 54 is the all-purpose interface for the RollerDrive EC310. Fifteen different speeds, as well as the direction of rotation, can be set using DIP switches.

Optically decoupled digital I/O's act as the interface to a higher-order controller. This enables, for instance, the direction of rotation of the 7 different speeds to be set from a PLC.

The braking energy of the RollerDrive is fed back into the 24 V grid. The voltage fed back from the RollerDrive EC310 is limited at 30 V by means of the integral brake chopper (voltage-dependently switched load resistance).

DriveControl 20 has an IP rating of 20. DriveControl 54 has an IP rating of 54.



ComControl

This is used for single zone control of the conveyor system. It has three inputs and outputs.

Two outputs are supplied with voltage from the system and 0.5 amps can be applied, the remaining output is a relay contact. Terminals are integrated within an IP54 rated enclosure.

Input and output functions can be created freely in the configurator.

SegmentControl

SegmentControl utilizes two sensors and RollerDrive. The SegmentControl can then control two zones of a conveyor system. Parameters for the switching logic of the sensors can be created easily in the Configurator.

The addressing of the SegmentControl and other modules is done by a magnetic contact, thus no further operating elements are needed. Three LEDs immediately display different statuses.

GatewayControl

GatewayControl is used to connect ConveyorControl to higher-level controls in the system architecture and to integrate it into the network of an existing system.

Three types of GatewayControl exist depending on the type of bus available – Profibus, Profinet, or Ethernet/IP.

CentralControl

This is a USB interface that is used for uploading and mapping settings for a conveyor with a PC and the Configurator.

This control is not used for zone control and is used for monitoring data communication between modules.