MOVIGEAR® and DRC electronic motor

Energy efficient mechatronic drive systems
for baggage handling applications
In order to further reduce the ground times of airplanes in the future, it will be necessary to move passengers and cargo even faster and more efficiently. Terminal equipment must be larger and more efficient to be able to deal with the increasing amount of passengers and cargo per flight. Be it baggage sorting or distribution – reliable application solutions from SEW-EURODRIVE improve the efficiency, flexibility and safety of all processes in the airport industry.

**MOVIGEAR® and DRC Electronic Motors**

The ideal solution for baggage handling systems

For years, drive technology from SEW-EURODRIVE has played a vital role in ensuring smooth transport and logistics processes at a host of international airports such as Frankfurt, London, Paris, Hong Kong and Sydney.

### Installation topology with SEW system bus controller:

**MOVIGEAR® and DRC electronic motor with SEW system bus (DSC)**

High performance and fast bus communication via CAN

**Features**

- Line wiring
- Integrated communication interface
- Fast communication for short cycle times
- Hybrid cable for minimum installation effort
- System bus controller for control cabinet or fieldbus installation with integrated PLC

**Application options**

- Drive for applications with high breakaway and starting torques
- Dynamically operated drive for conveyor systems at varying speeds
- Forming intelligent function groups
- Universal use due to wide speed range of 1:2000

### Installation topology binary:

**MOVIGEAR® and DRC electronic motor binary (DBC)**

Stand-alone operation

**Features**

- Simple startup with our PC using DIP switches and potentiometer
- Parameterizable fixed speeds and ramps
- Binary input control and signal relay evaluation via PLC
- Local/manual operation via binary inputs
- Interface for diagnostics and parameterization
- SafetyDrive functional safety: Safe Torque Off (STO) up to PL e according to EN ISO 13849-1

**Application options**

- Simple stand-alone/single applications
- Applications that require soft startup behavior
- Applications with high breakaway torques
- Applications with functional safety
SEW-EURODRIVE is a family-owned, international business with roughly 15,000 employees and global sales of more than $3.0 billion. With 75 Drive Technology Centers and 15 production plants in 45 countries, we make sure that the world keeps moving...and have been doing so for more than 80 years.

**Installation topology with SNI controller:**

**MOVIGEAR® SNI and DRC electronic motors SNI**
Single line network installation

**Features**
- Single line installation - energy and data are transferred via one standard cable
- Reduction in the number of components
- Bus lines do not have to be routed in the field
- No risk of hidden faults
- Reduced startup times
- Shorter project runtimes/reduction of project costs

**Application options**
- Applications with high breakaway and starting torques
- Conveyor systems with variable speeds
- Drive for applications that require soft and/or defined startup behavior
- Group drive for easier implementation of synchronous operation

**Installation topology with AS-interface:**

**MOVIGEAR® and DRC electronic motor AS-Interface (DAC)**
Simple and cost-effective fieldbus connection

**Features**
- Parameterizable fixed speeds and ramps
- Control via standard AS-interface application
- Connection of external sensors on the actuator
- Voltage supply for connected sensors
- Local/manual operation via binary inputs
- Interface for diagnostics and parameterization
- safetyDrive functional safety: Safe Torque Off (STO) up to PL e according to EN ISO 13849-1

**Application options**
- Simple fieldbus connection
- Applications that require soft startup behavior
- Signal feedback of connected sensors
- Applications that require a lot of space
- Applications with functional safety