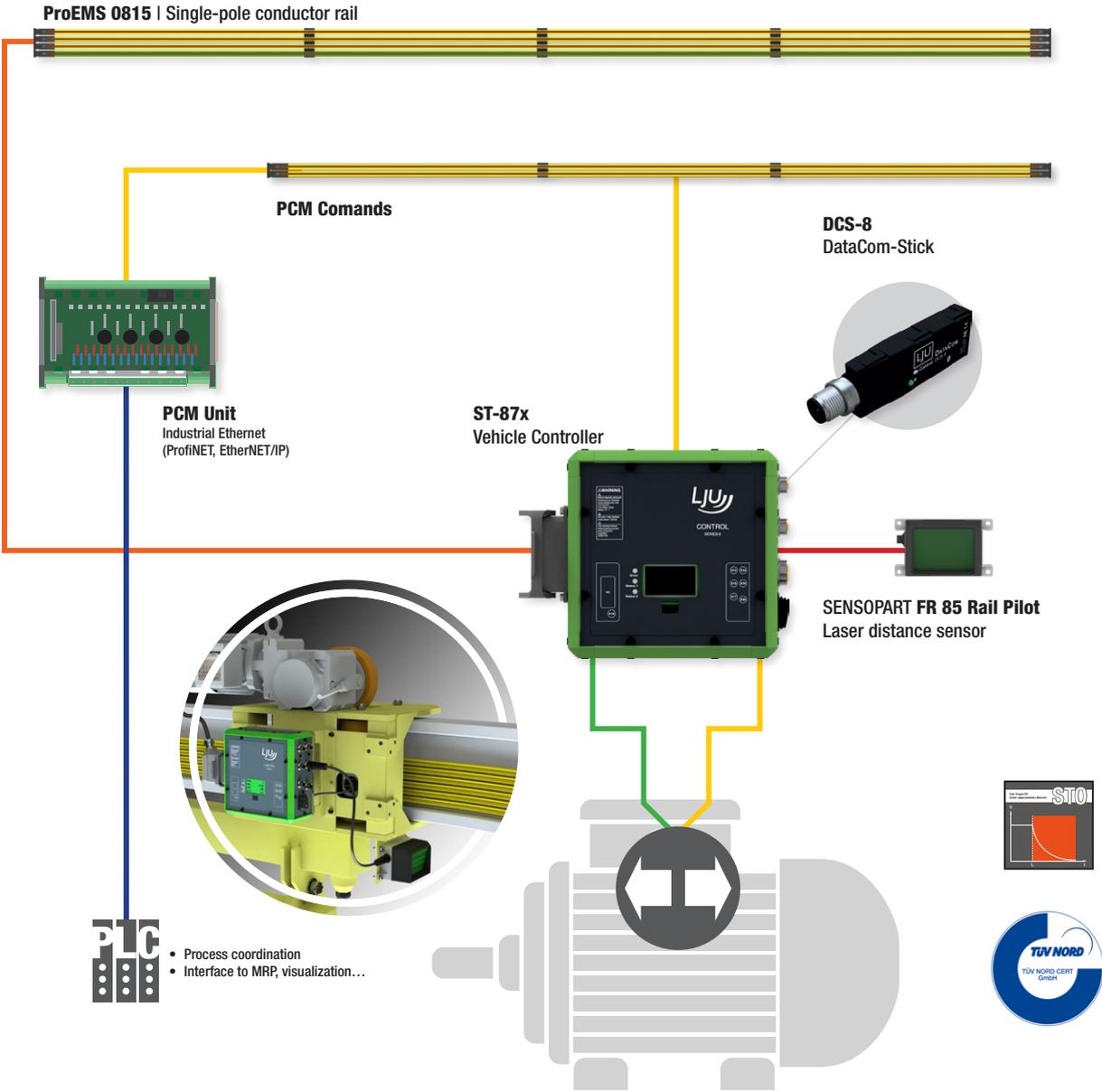




# Mobile Controls for Small EMS

**CONDUCTIX**  
wampfler

# Mobile Controls for **Small EMS**





### Control ST-87x

The motor control drives both control procedures for classical 3-phase asynchronous motors in all commonly used voltage variants as well as permanent magnet synchronous motors (PMSM) and brush-less DC motors. Jerk-free acceleration curves and a variety of positioning routines provides the customer the perfect solution.

LJU Series 8 controllers are compact designed and for power ranges up to 3 kW for use in the C1 profile. Plugin secured connections and simple service procedures make commissioning, use and diagnosis considerably easier for the user.



### Sensopart

Especially designed for automotive production application. High accuracy even with ambient light (ambient light protected). Large range allows flexible adaption of distance control.

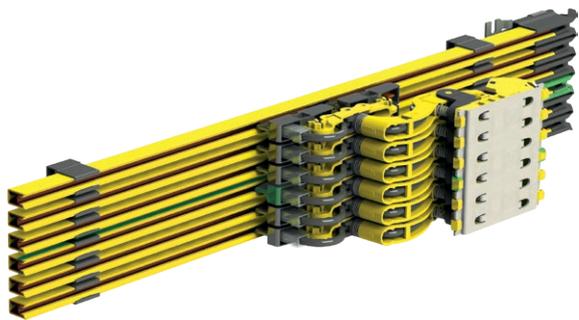
- Measuring range of 6000 mm with metering precision of +/- 100mm.
- Detection range straight: horizontal +/- 7,5 degree, vertical +/- 3,5 degree.
- RS485 interface with M12-plug (5 pins) with special LJU baud rate.
- Power supply: 18 to 30 V DC and current consumption below 200 mA.

All configuration is performed on the vehicle control. In case of a needed replacement event, no adjustments to the sensor are required.



### ZM-PN Central module

The ZM-PN module is the central module that can be controlled via PN and serves to generate mains-synchronized clock signals. These codes are transmitted over the internal module connection to the pulse code module PCM-8-Bus. 190 different codes can be generated which gives a huge range of different commands. The user can freely assign the various commands such as slow/fast forward, slow/fast reverse, variable speeds in assembly areas, hoist/lower to various positions with various speeds and various positioning behaviors. 3 PCM and 3 EM modules can be connected max.



### Electrification

#### ProEMS 0815

ProEMS 0815 is a specific conductor rails solution for EMS applications. The key advantages are high freedom of movement of the current collectors, easy integration in the EMS carriers, improved end-caps for smooth transfer at all track interruptions like switches and lifts.



### PCM-8-Bus Puls code module

The pulse code module PCM-8-Bus serves to control vehicles over a control rail in 8 different sections.

The commands transmitted over the used field bus from the PLCs at higher levels are converted by the central module into mains-synchronized timing signals and then converted by the connected pulse code module into a pulse-code, which can be clearly recognized by the vehicle controller.



### EM-8-Bus Input module

The input module EM-8-Bus converts the 230 V AC composite error messages, relayed from the vehicle over the status rail, to the signal level of the internal module connection. This provides input signals over used field bus to the PLC.

The module has 8 input ports. This means that signals from up to 8 rail sections can be converted by one input module.

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