

PLC ENI-VCU SWITCH.3

Communication supervisory system

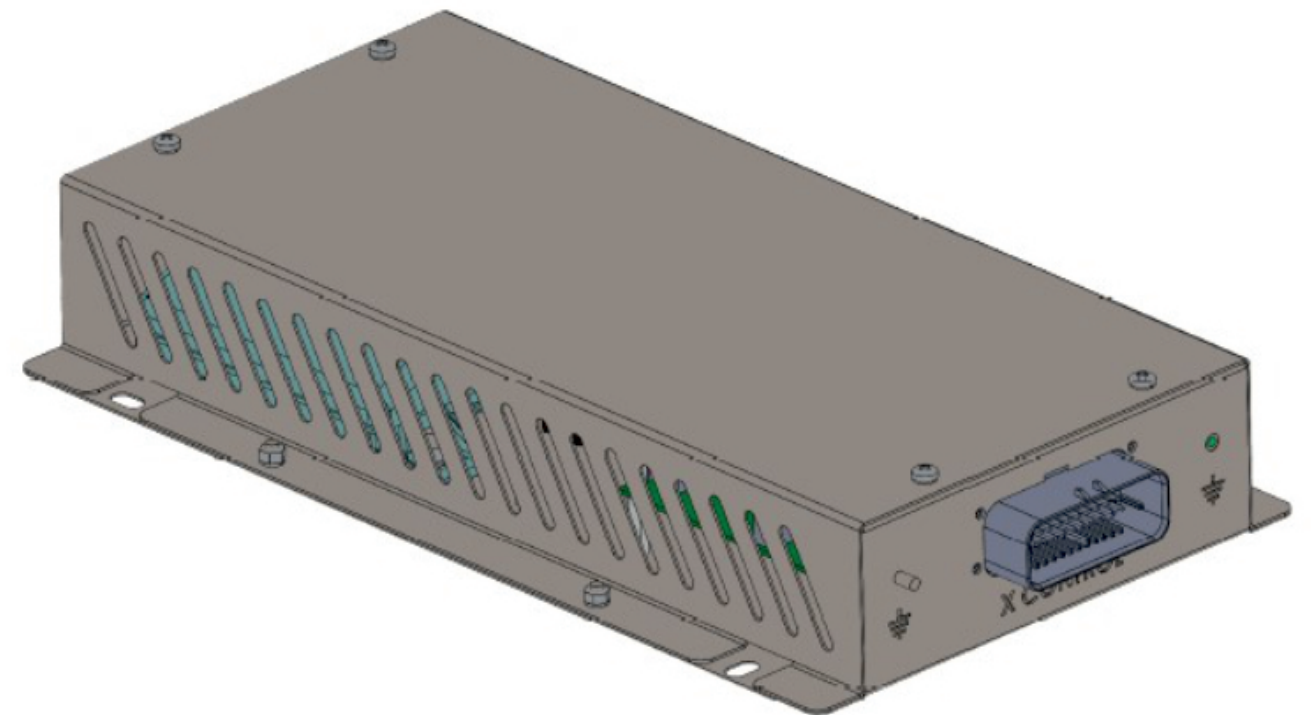
APPLICATION



The device is used for comprehensive operation of the CCS2 charging socket and/or pantograph (not inverted) in accordance with the communication described in the IEC61851 and ISO15118-1:3 standards. Due to the sensitive electronics mounted inside, the device should be installed in the vehicle in a place that prevents flooding. When planning the layout, remember about the limitations of the length of connections between the device and the socket and the pantograph. When the planned external communication connections (outside the vehicle) exceed the distance enabling correct operation - there may be problems with the communication signal strength. The above lengths are not explicitly specified - they depend on the cable type, shielding, EMC interference, etc.

The device has the following functions:

- **CCS2:**
 - Communication with the charging station - the so-called "PLC (CP/PP)" according to IEC 61851-1 and ISO15118-1:3.
 - Socket temperature measurement.
 - Lock control with confirmation (lock motor powered by 12 volts).
- **PANTOGRAPF:**
 - Communication with the charging station - the so-called "PLC (CP)" conforming to IEC61851-1 and ISO15118-1:3.
- **BUS:**
 - Communication with the EV - CAN 2.0B system in accordance with the internal compliant protocol with standard J1939.
- **ENI-VCCU-DISPLAY.1:**
 - Support indicator lights and function button.



SPECIFICATION

TYPE	ENI-VCU SWITCH.3
Rated input voltage	24 V _{DC}
Pollution degree	PD 4 according with EN-50124-1
Overvoltage category	OV 3 according with EN-50124-1
Cooling	Neutral
Enclosure protection rating	IP 20 according with EN-60529 IK 02
Working temperature	-20°C ÷ +55°C
Storage temperature	-20°C ÷ +55°C
Weight	3 kg
Size (L x W x H)	(365 x 200 x 62) mm