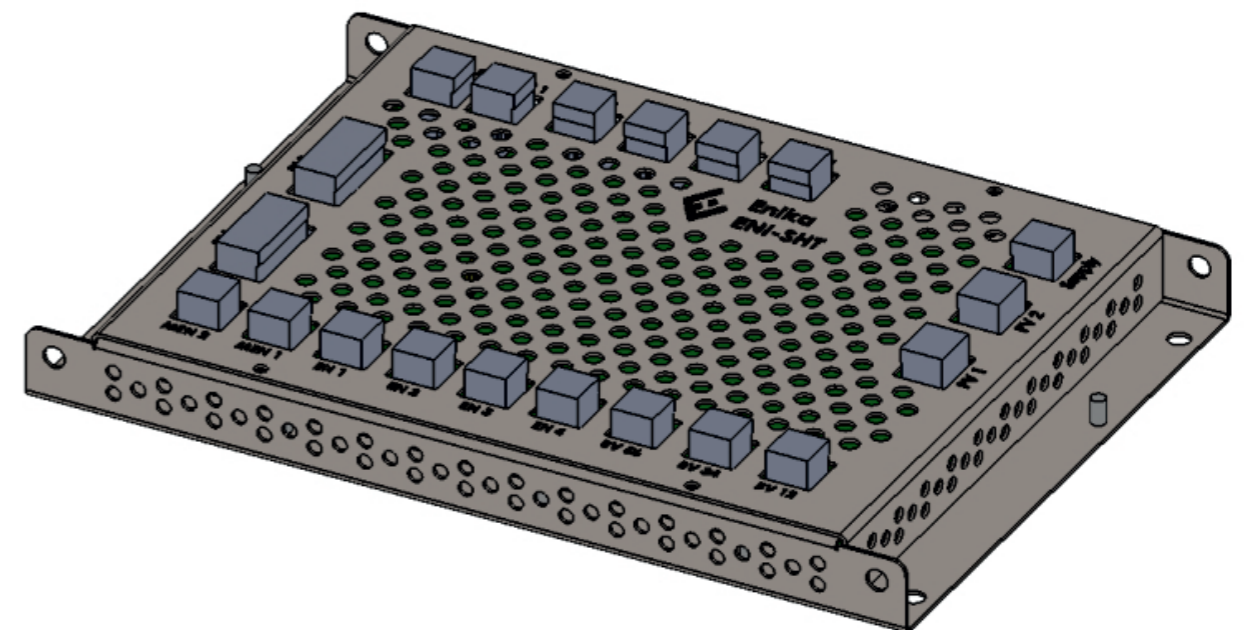


APPLICATION



The ENI-SHT controller is a device designed to control the operation of mechanical brakes in a tram. The device is intended for operation inside a tram in a dry and clean space protected against dust, moisture and unauthorized access. The device controls the operation of the mechanical brakes of the tram on the basis of information sent via the CAN bus and signals delivered via wire. The product is not a standalone device. For proper operation, it is required to connect control signals from the railcar installation and connect the braking system executive unit. The controller controls the operation of the hydraulic pump contactor, valves and other components of the car's braking system. Thanks to the extensive measurement functions, it is possible to connect two-state sensors and current pressure transducers. In addition, the device allows you to connect four speed sensors that monitor the rotational speed of the wheels. In order to turn on the device, it is necessary to apply voltage to the X_SUPPLY power connector.



SPECIFICATION

TYPE	ENI-SHT
Digital inputs	0 ÷ 30 V
Analogue inputs	0 ÷ 20 mA / 0 ÷ 10 V
Analogue outputs (PV)	
Output voltage	0 ÷ 24 V
Current max. output	2,2 A (60 sek.) / 1,5 A
Digital outputs (BV)	
Output voltage	0 ÷ 24 V
Current max. output	2,2 A (60sek.) / 1,5 A
Encoder supply voltage	24 V
Galvanic separation	Separation between power supply for control circuits and power supply for outputs Separated CAN communication circuit Separated power supply for speed sensors
Insulation test voltage	750 V _{DC}
User Interface	CAN 2.0
Overvoltage category	OV 1 according with EN-50124-1
Cooling	Neutral
Enclosure protection rating	IP20 according with EN-60529
Ambient operating temperature	-30°C ÷ 40°C
Storage temperature	-5°C ÷ 25°C
Size (L x W x H)	245 x 170 x 25,5 mm