

APPLICATION



The ENI-SR/L1/2016 (left-hand version) hand dryer is built-in railway convenience equipment for the WC cubicles of passenger carriages. Applying the 24V_{DC} and 230V_{AC} power supply causes the dryer to be ready for operation. The device starts when the proximity sensor is activated. In the first phase of the cycle, the LEDs light up. In the next phase, the fan and the heater start working. After about 25 seconds, it switches itself off automatically and returns to the ready-to-operate state. Constantly keeping your hands in the field of view of the sensor (sensor blinding) does not cause continuous operation of the device. Reactivation of the dryer requires withdrawal of hands (removal of the sensor plug) and re-placement of hands under the outlet. The temperature of the air at the outlet of the dryer is continuously controlled. Based on these data, the controller regulates the power of the heater so that the air at the outlet does not exceed the temperature of 60°C. In case of emergency operation, the heating element does not work. The dryer blows air at ambient temperature. Inside the dryer, there is additionally installed a 90°C thermal protection, which after activation will permanently prevent the supply of voltage to the heating circuit. The protection can be reset manually through a hole in the housing.



SPECIFICATION

TYPE	ENI-SR/L2/22
Rated supply voltage of the heating circuit	230 V _{AC}
Rated control supply voltage	24 V _{DC}
Heating element power rating	1 kW
System current load	≤ 2 A
Galvanic separation	Between the heating circuit and enclosure
Insulation test voltage	HV heating circuit: 1,5 kV _{AC} / 50 Hz / 60 s LV control circuit: 500 kV _{AC} / 50 Hz / 60 s
Pollution degree	PD2 in accordance with EN-50124-1
Overvoltage category	OV3 in accordance with EN-50124-1
Noise	max. 60 dB
Operating orientation	Vertical
Enclosure protection rating	IP20 in accordance with EN-60529
Working temperature	0-25°C ÷ +50°C T1 in accordance with PN-EN 50125-1:2014
Storage temperature	0-25°C ÷ +50°C T1 in accordance with PN-EN 50125-1:2014
Shock resistance	Category 1 class B in accordance with PN-EN 61373:2011
Weight	3 kg
Size (L x W x H)	(382 x 273 x 94) mm