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## Catalog Card Train Movement Sensor (Husar CZR)



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Ministerstwo praw Wewnętrznych i Administracji

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## PURPOSE, DEVICE CHARACTERISTICS

The train sensor is used to detect the presence of a train moving on the track at the the platform edge at which it is installed. The sensor is a dual-sensor measuring device The sensor is a dual-sensor measuring device which sends information to the Central Control Application for Dynamic Passenger Information.

Passenger Information Central Control Application. It is equipped with two types of sensors: ultrasonic and microwave.

The sensor has been manufactured according to IPI-6 guidelines.

## **TECHNICAL DATA**

Technical parameters		
Sensor type	Dual sensor	
Sensor type 1	Ultrasonic	
Sensor type 2	Infrared	
Supply voltage	12-24V, PoE	
Power consumption ( max )	17W	
Operating temperature range	-40°C do +60°C	
Dimensions (L/H/W)	450mm x 250mm x 125mm	
Libra	5kg	
Case	Made of corrosion-resistant material, painted in RAL 7035	
Housing tightness	IP-65 (according to PN-EN 60529:2003) In accordance with IPI-6	
Level of security	IK-07 according to (PN-EN 5012:2001) In accordance with IPI-6	
Interfejs	Fast Ethernet 10/100Mbps RJ45	
Protocols	HTTPS; SNMP; NTP; SSH	

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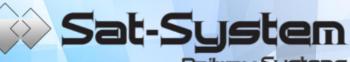






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## **COMPLIANCE WITH STANDARDS**

	Study name	Number and title of the standard used	Requirements
Cold re	esistance	PN-EN 60068-2-1:2009 Environmental research. Part 2-1: Trials: cold	Sharpness -40oC
Dry he	at resistance	PN-EN 60068-2-2:2008 Environmental research. Part 2-2. Trials: dry heat	Sharpness +55oC
Damp	heat cyclic resistance	PN-EN 60068-2-6:2008 Environmental research. Part 2-30. Trials: damp heat cyclic	Sharpness +55oC, Humidity 95%
Sinuso	idal vibration resistance	PN-EN 60068-2-6:2008 Environmental research. Part 2-6. Trials Fc: sinusoidal vibration	Frequency: 3-40 Hz Amplitude: 0,2mm Frequency: 40-100Hz Amplitude: 0,03mm
Resista impac	ance to mechanical ts	PN-EN 60068-2-27:2009 Environmental research. Part 2-27. Trials Ea: impacts	Acceleration of strokes: 2g Duration: 11ms
	ing the degree of tion IP	PN-EN 60529:2003/A2:2014-07 Degrees of protection provided by enclosures (code IP)	Device testing without negative pressure. IP65
	ing the degree of ition IK	PN-EN 50102:2001 Degrees of protection against external mechanical impacts provided by enclosures of electrical equipment (code IK)	ΙΚΟ7
magne	urement of Energy etic conducted bances	PN-EN 55016-2-1:2014-09/A1:2017- 12 Requirements for measuring apparatus and methods for measuring radio disturbances and immunity to disturbances. – Part 2- 1. Disturbance measurement methods and immunity testing - Measurements of conducted disturbances	Compliance with standards PN-EN 50121-1:2017-06 PN-EN 50121-4:2017-4
	urement of energy etic radial disturbances	PN-EN 55016-2-3:2017-06/A1:2020- 01 Requirements for measuring apparatus and methods for measuring radio disturbances and immunity to disturbances. Part 2-1. Disturbance measurement methods and immunity testing - Measurements of conducted disturbances	Compliance with standards PN-EN 50121-1:2017-06 PN-EN 50121-4:2017-04

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