

# Signal detector from track infrastructure MIREL SN

## Type **SN**

Illustrative pictures

Signal detector from track infrastructure MIREL SN is aimed as co-working equipment to the mobile part of line train protection. It ensures transmission of the signal from track infrastructure of the train protection into the mobile part of the train protection. Transmitted information are modulated into the carrier frequency either 50 Hz or 75 Hz.

Detector consists of two independent, identical reels put on ferromagnetic core.

Core with reels is placed inside of open aluminium sleeve for SN.1 version, and in a sleeve from polyethylene for SN.0 version.

One pair of detectors is placed under each front of a locomotive.

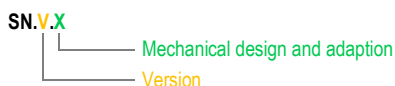


SN.1



SN.0

### Nomenclature



### Modifications

Designation	Requirements of the standard EN 45545-2 : 2020	Scan frequency [Hz]	Dimension W x H x T [mm]	Weight [kg]	Notes
SN.1.0	HL2	50 / 75	90 x 90 x 500	8,0	1), 2), 3)
SN.1.2	HL2	50 / 75	90 x 75 x 500	8,0	3)

<sup>1)</sup> approved in Slovakia

<sup>2)</sup> approved in Czech Republic

<sup>3)</sup> approved in Hungary

### Modifications prepared for new applications

No record.

### Accessories

Designation	Description
SNKRSET.1.1	Set of covers for changing the orientation of the cable gland, for a pair of SN.1 sensors
SNKRSET.1.2	Set of cover for changing the orientation of the gland for one SN.1 sensor by -90 °
SNKRSET.1.3	Set of cover for changing the orientation of the gland for one SN.1 sensor by +90 °

### Specifications

The catalogue sheet was prepared on the basis of the following specifications:

Number	Version	Title
257VZ1	211203	MIREL VZ1 Technical conditions
273VZ1	220914	SN, SNNO Installation conditions
2396VZ1	221111	SN.1 Condition of Use

### Usage

MIREL VZ1 – train protection system

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**Modifications not recommended for new applications**

Designation	Requirements of the standard STN EN 45545-2 : 2016	Scan frequency [Hz]	Dimension W x H x T [mm]	Weight [kg]	Notes
<b>SN.0.0</b>	Art. 4.7	50 / 75	90 x 90 x 670	13,0	1), 2), 3)

<sup>1)</sup> approved in Slovakia

<sup>2)</sup> approved in Czech Republic

<sup>3)</sup> approved in Hungary

