

Basic unit of the train protection MIREL VZ1

Type **VZ1ZJ**

illustrative picture

Basic unit represents the core of the train protection MIREL VZ1. It is designed as a double-channel safety device that realizes most of all operative functions of the train protection. Basic unit runs the calculation of the safety algorithm, filtration and decoding of transmitted information from the track infrastructure, measurement of speed, passed track and moving direction, pressure scan in the main brake pipe, scanning and filtration of input binary signals, displaying the output signals of the train protection, self-diagnostics and diagnostic test.



Parameters B x H x D: 446 x 112 x 297 mm

Weight: 6,75 kg

Supply voltage: 24 / 48 VDC

Modifications:

Description	Nominal supply voltage[VDC]	Data transfer from infrastructure	Software version	Field of application
VZ1ZJ.0.202CS	24	yes	02	ŽSR/ČD
VZ1ZJ.0.402CS	48	yes	02	ŽSR/ČD
VZ1ZJ.0.203CS	24	yes	03	ŽSR/ČD
VZ1ZJ.0.403CS	48	yes	03	ŽSR/ČD
VZ1ZJ.0.403CPS	48	yes	03	ŽSR/ČD/PKP
VZ1ZJ.0.203H	24	yes	03	MÁV
VZ1ZJ.0.403H	48	yes	03	MÁV
VZ1ZJ.0.203H6	24	yes	03	MÁV 160
VZ1ZJ.0.403H6	48	yes	03	MÁV 160
VZ1ZJ.0.203CHS	24	yes	03	ŽSR/ČD/MÁV
VZ1ZJ.0.403CHS	48	yes	03	ŽSR/ČD/MÁV
VZ1ZJ.0.203CH6S	24	yes	03	ŽSR/ČD/MÁV 160
VZ1ZJ.0.403CH6S	48	yes	03	ŽSR/ČD/MÁV 160
VZ1ZJ.0.2S0CS	24	no	02	ŽSR/ČD
VZ1ZJ.0.4S0CS	48	no	02	ŽSR/ČD

Specifications:

Number	Version	Title
257VZ1	070525	Technical conditions for train protection MIREL VZ1- serial usage
759VZ1	071210	Technical description of changes of the train protection MIREL VZ1 – integration of functions MÁV Rt
738VZ1	071203	Functional requirements of the train protection and deadman device of the MÁV Rt, working based on evaluation of supplied 75 Hz signal
481M	071214	Basic unit 19", 3U – dimensional drawing

Usage:

MIREL VZ1 – train protection