

Communication gateway MIREL SPIO

Type **SPIO**

Illustrative pictures

MIREL SPIO converts data from communication bus SPI into the binary signals or into data for communication link RS485. MIREL SPIO is the processor equipment, which, based on set specification, disposes with possibility to control binary outputs and with possibility to control communication in the serial link RS485 in regime master or slave. MIREL SPIO is connected to the basic unit of system MIREL through the connector SPI. Communication with system MIREL is one-side.



Nomenclature



Modifications

Designation	Device version	Supply voltage [VDC]	Software version	Hardware range	Mechanical design	Notes
SPIO.0.201	0	24	01	–	–	1), 2), 3), 4)
SPIO.0.201S	0	24	01	S	–	1), 2), 3), 4)
SPIO.0.201U	0	24	01	U	–	1), 2), 3), 4)
SPIO.0.401U	0	48	01	U	–	1), 2), 4)

¹⁾ homologated in Slovakia

²⁾ homologated in Czech Republic

³⁾ homologated in Hungary

⁴⁾ homologated in Poland

Modifications prepared for new applications

Designation	Device version	Supply voltage [VDC]	Software version	Hardware range	Mechanical design	Notes
SPIO.1.201AL	1	24	01	A	L	WF837
SPIO.1.201AP	1	24	01	A	P	WF837
SPIO.1.201AU	1	24	01	A	U	WF837
SPIO.1.401AL	1	48	01	A	L	WF837
SPIO.1.401AP	1	48	01	A	P	WF837
SPIO.1.401AU	1	48	01	A	U	WF837

Device version

Designation	Description
0	Basic version of the device installed on the central unit of the train protection system VZ1ZJ.0
1	Version of the device installed as modular solution to the central unit of the train protection system VZ1ZJ.1

Hardware range

Designation	Available mechanical design	Communication link RS485	Binary outputs
-	-	-	✓
A	L / P / U	✓	✓
S	-	✓	-
U	-	✓	✓

Mechanical design

Designation	Construction system	Modification of construction system	Assembly	Dimensions W x D x H [mm]	Weight [kg]
-	-	-	on VZ1ZJ.0	210 x 45 x 128	0,9
L	BOXTUG	05A	left	44 x 231 x 130	0,8
P	BOXTUG	05A	right	44 x 231 x 130	0,8
U	BOXKOG	05	-	56 x 239 x 129	0,9

Specifications

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

Number	Version	Name
257VZ1	190121	Technical conditions
800SPIO	200827	Technical conditions
1122VZ1	200827	Installation manual
481M	161208	ZJ Installation conditions
1068M	170516	BOXTUG Installation conditions
2468M	191016	BOXKOG Installation conditions

Usage

MIREL VZ1 – train protection

Modifications not recommended for new applications

No record.