

Converter of communication bus SPI

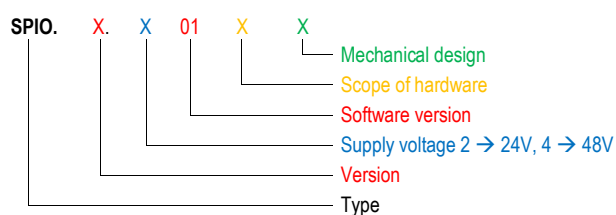
Type **SPIO**

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. It derives from system MIREL necessary information by communication through this connector. Communication with system MIREL is one-side. Mechanical version of module SPIO after installation frames with basic unit of system MIREL creates compact unit.



Nomenclature



Versions

Designation	Dimension B x D x H [mm]	Construction system	Weight [kg]
0	210 x 45 x 128	-	0,9
1	130 x 44 x 231	BOXTUG	0,8
1	129 x 56 x 226	BOXKOG	0,9

Modifications – scope of hardware

Designation	Mechanical design	Link RS485	Binary output
-	-	no	yes
A	L / P / U	yes	yes
S	-	yes	no
U	-	yes	yes

Modifications – mechanical design

Designation	Construction system	Modification of construction system	Assembly
-	-	-	on VZ1ZJ.0
L	BOXTUG	05A	left
P	BOXTUG	05A	right
U	BOXKOG	05	-

Modifications

Designation	Supply voltage [VDC]	Link RS485	Binary output	Construction system	Assembly
SPIO.0.201	24	no	yes	-	on VZ1ZJ.0
SPIO.0.201S	24	yes	no	-	on VZ1ZJ.0
SPIO.0.201U	24	yes	yes	-	on VZ1ZJ.0
SPIO.0.401U	48	yes	yes	-	on VZ1ZJ.0

Modifications prepared for new application

Designation	Supply voltage [VDC]	Link RS485	Binary output	Construction system	Assembly
SPIO.1.201AU	24	yes	yes	BOXKOG	-
SPIO.1.201AL	24	yes	yes	BOXTUG	left
SPIO.1.201AP	24	yes	yes	BOXTUG	right
SPIO.1.401AU	48	yes	yes	BOXKOG	-
SPIO.1.401AL	48	yes	yes	BOXTUG	left
SPIO.1.401AP	48	yes	yes	BOXTUG	right

Specifications

Number	Version	Title
257VZ1	190121	Technical conditions
800SPIO	180604	Technical conditions
1086M	170516	BOXTUG Installation conditions
2468M	180604	BOXKOG Installation conditions

Usage

MIREL VZ1 – Automatic Train Protection System